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ICHTHYOPLANKTON AND STATION DATA FOR CALIFORNIA COOPERATIVE OCEANIC FISHERIES INVESTIGATIONS SURVEY CRUISES IN 1975

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NOAA-TM-NMFS-SWFC-110

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
Southwest Fisheries Center

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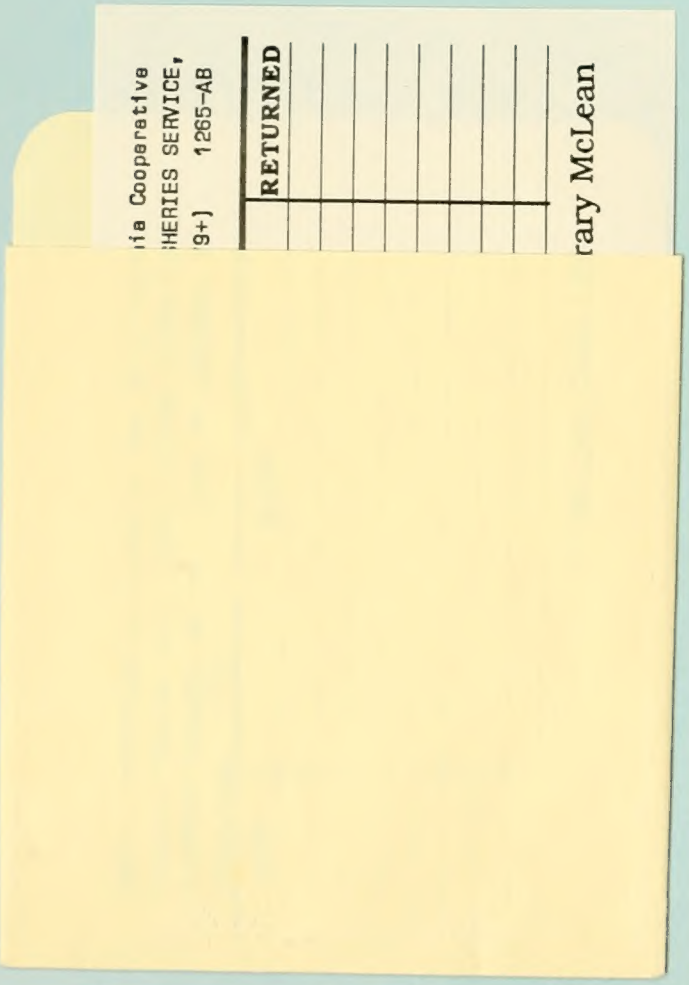

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ABSTRACT

This report provides ichthyoplankton and associated station and tow data from California Cooperative Oceanic Fisheries Investigations (CalCOFI) cruises conducted off California and Baja California in 1975. It is the twenty-first report in a series that presents these data for all biological-oceanographic CalCOFI surveys from 1951 to the present. A total of 1592 stations was occupied during eight monthly multivessel cruises over the survey area which extended from Pt. Reyes, California to Pt. San Juanico, Mexico, and seaward to several hundred miles. The data are listed in a series of 6 tables; the background, methodology, and information necessary for interpretation and quantitative analysis of the data are presented in an accompanying text. All pertinent station and tow data, including volumes of water strained and standard haul factors, are listed in the first table. Another key table lists, by station and month, standardized counts of each of the 153 larval fish categories identified from survey samples. This and previous and subsequent reports make the CalCOFI ichthyoplankton and station data available to all investigators and serve as guides to the newly developed computer data base.

INTRODUCTION

This report, the twenty-first of a series, provides ichthyoplankton and associated station and tow data from California Cooperative Oceanic Fisheries Investigations (CalCOFI) joint biological-oceanographic survey cruises conducted in 1975. This program was initiated in 1949, under the sponsorship of the Marine Research Committee of the State of California, to study the population fluctuations of the Pacific sardine (*Sardinops sagax*) and the environmental factors that may play a role in such fluctuations. CalCOFI, known as the California Cooperative Sardine Research Program from 1949 to 1953, was made up of representatives of the South Pacific Fisheries Investigations (SPFI) of the U.S. Fish and Wildlife Service [now the La Jolla Laboratory, National Marine Fisheries Service (NMFS)], the Scripps Institution of Oceanography (SIO), the California Department of Fish and Game (CDFG), the California Academy of Sciences (CAS) and the Hopkins Marine Station of Stanford University. The first three of these agencies supplied ships and personnel to conduct the sea surveys. NMFS processed the plankton samples and analyzed the ichthyoplankton from them. SIO processed and analyzed the hydrographic samples and measurements and also analyzed invertebrate groups from the plankton samples.

The boundaries, station placement, and sampling frequency for the CalCOFI survey area were based on the results of joint biological and oceanographic cruises conducted by NMFS and SIO during 1939-41. Those cruises were designed to collect sardine eggs and larvae and associated hydrographic data over the entire

areal and seasonal spawning range of the species. On these survey cruises, plankton tows were made to 70 m, a depth which encompassed the vertical distribution of sardine eggs and larvae. Wide-ranging joint biological and oceanographic survey cruises were resumed in 1949 with sardine as the focus; however, an increasing interest in other biological components resulted in the deepening of standard tows to 140 m in 1951. This marked the beginning of truly quantitative ichthyoplankton sampling on CalCOFI surveys.

Some data resulting from CalCOFI surveys in 1975 have been published. Hydrographic data (Univ. of Calif., SIO, 1984a,b) were presented in standard formats. Distributional maps of larvae of 2 taxa taken on CalCOFI surveys during 1975 are presented in the CalCOFI atlas series: rockfish (*Sebastes* spp.), Ahlstrom et al., 1978; and northern anchovy (*Engraulis mordax*), Hewitt, 1980.

A computer data base for eggs and larvae of sardine and anchovy, for larvae of Pacific hake (*Merluccius productus*), jack mackerel (*Trachurus symmetricus*) and Pacific mackerel (*Scomber japonicus*), and for eggs of Pacific saury (*Cololabis saira*) was established in 1969. The development of a data base for other fish larvae is a complex undertaking because competency of identification has evolved steadily over the past 38 years. We began the task of producing a CalCOFI ichthyoplankton data base and associated data report series in 1983. All available original records for 1975 were subjected to an extensive verification and editing process to produce this report. This and previous (Ambrose et al., 1987a,b,c; 1988a,b; Sandknop et al., 1987a,b; 1988a,b,c; Stevens et al., 1987a,b,c; 1988a,b; Sumida et al., 1987a,b; 1988a,b,c) and subsequent reports make the CalCOFI ichthyoplankton and station data available to all investigators and serve as guides to the computer data base. The data base will be modified when additional errors are discovered and when composite taxa from the earlier years are reidentified. These reports are the fundamental reference documents against which subsequent changes in the data base can be compared.

SAMPLING AREA AND PATTERN

In 1975, the seven CalCOFI survey cruises occupied stations during portions of all months except April, August, and September. An eighth cruise (7412), conducted in November and December of 1974, was included in the 1975 data base. A total of 1592 stations was included in this data base, with an average of 199 stations per cruise (range 50-279). Coverage of the survey station pattern varied among cruises and the entire survey area was not covered on any single cruise (Figures 1-10, Table 1). The area off northern California (lines 40-57) was not covered. All major lines were occupied off central California (lines 60-77) on 7412, 7501, 7503, 7507, and 7511; only three lines were occupied in this region on 7505. The area between Pt. Conception, California, and Pt. San Juanico, Baja California

(lines 80-137) was occupied on 7412, 7501, 7507, 7510 and 7511; southerly coverage of this region stopped at Sebastian Vizcaino Bay (line 120) on 7505 and at Pt. Abreojos (line 130) on 7503. The area off southern Baja California (lines 140-157) was not surveyed in 1975. Typically, coverage did not extend beyond station 90 (approximately 160-260 miles offshore)[1]. Cruises 7510 and 7511 in our data base are considered as 7510 in the SIO hydrographic data base and are combined in Figure 9.

Two vessels were employed on these cruises: the *David Starr Jordan* of NMFS, and the *Alexander Agassiz* of SIO. The *David Starr Jordan* was used on seven cruises and the *Alexander Agassiz* on four (Table 1; Univ. of Calif., SIO, 1984a,b).

After 1969, CalCOFI surveys were made on a triennial basis. These began in 1972 and continued every 3 years (1975, 1978, 1981, 1984) until 1985 when annual surveys were resumed.

SAMPLING GEAR AND METHODS

During 1975, a 1-m diameter ring net was used on all cruises; the net was similar to that used on previous surveys except the fabric was 0.505 mm nylon mesh instead of silk bolting cloth (Smith, 1974). The cod end was constructed of 0.333 mm nylon mesh. The frame was fastened to a short 3-lead bridle connected to several meters of line which attached to the towing cable by a clamp. A current meter was suspended in the center of the mouth of each net to measure volume of water filtered (see Kramer et al., 1972, for further details).

The standard tow in 1975 was an oblique haul to ca. 210 m depth (to 15 m of the bottom in shallow areas) designed to filter a constant amount of water per depth interval (ca. $3m^3/m$ of depth) over the vertical range of most ichthyoplankters. Hauls were made at a ship speed of 1.5-2.0 knots and initiated by

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[1]CalCOFI lines (Figure 11) are arranged perpendicular to the coastline and extend from the Canadian border (line 10) to below Cape San Lucas, Baja California (line 157). Stations were established on the basis of a perpendicular to line 80 (off Pt. Conception) at a point designated as station 60. Stations were plotted seaward and shoreward from station 60 on each line. Cardinal CalCOFI lines (those ending in "0") are 120 miles apart and usually bracket two ordinal lines (ending in "3" or "7"), so that lines are 40 miles apart over most of the pattern. Cardinal stations are 40 miles apart and typically these are separated by a station number ending in "5" so that stations are 20 miles apart out to station 90 on most lines. Stations are placed at closer intervals near the coast and islands to accommodate these features (see Kramer et al., 1972 for further details).

clamping the net line to the towing cable with the 45 kg terminal weight about 10-15 m below the surface. The net was lowered to ca. 210 m depth by paying out 300 m of wire over a 6 minute period (35 m of depth/min.). After fishing at depth for 30 seconds, the net was retrieved at 20 m/min. (14 m depth/min.). The angle of stray of the towing cable was recorded every 30 seconds and maintained at 45° (±3°) by adjusting the ship speed and course. After reaching the surface, the net was washed down and the samples preserved in 5% formalin buffered with sodium borate. Flowmeter readings were made at the beginning and end of each tow. Detailed descriptions of gear and methods are given by Kramer et al. (1972), and Smith and Richardson (1977).

LABORATORY PROCEDURES

Laboratory processing began with the determination of a displacement volume for each sample (methods described in Staff, SPFI, 1953 and Kramer et al., 1972). Sorting involved the removal of ichthyoplankton from the sample and identification and separation of: eggs and larvae of Pacific sardine and northern anchovy; larvae of Pacific hake; and eggs of Pacific saury. Some samples were fractioned into aliquots using a Folsom plankton splitter (McEwen et al., 1954) prior to sorting. Criteria for fractioning were: 1) samples taken at a distance greater than 200 nautical miles from shore were not fractioned, 2) samples taken closer than 200 miles from shore and containing 25 ml of plankton or less were not fractioned, and 3) samples taken closer than 200 miles from shore and containing more than 25 ml of plankton were fractioned to 50% of their original volume (J. R. Thrailkill, pers. comm.). Aliquot percentages for fractioned samples from 1975 are listed in Table 1 under the "Percent Sorted" column; 67.9% of samples collected in 1975 were fractioned.

A "standard haul factor" (SHF) was calculated for each tow to make them comparable and allow estimations of areal abundance. This factor adjusts the number of eggs or larvae in a haul to the number in 10 m^3 of water strained per meter of depth fished. If the vertical distribution of the species has been encompassed, then the adjusted value is equivalent to the number under 10 m^2 of sea surface. The SHF is calculated for each haul by the formula:

$$SHF = \frac{10\ D}{V}$$

where D = depth of haul = cosine of the average angle of stray of the towing cable multiplied by cable length (m)

V = total volume of water (m^3) strained during the haul

$$V = R \bullet a \bullet p$$

where R = total number of revolutions of the current meter during the haul

a = area (m^2) of the mouth of the net

p = length of column of water (m) needed to produce one revolution of the current meter.

Tow depth, volume of water strained, and standard haul factor are listed in Table 1 for each tow taken during 1975. Detailed descriptions of factors involved in calculating these values are presented in Ahlstrom (1948), Kramer et al. (1972), and Smith and Richardson (1977).

IDENTIFICATION

Identification of ichthyoplankton species beyond those separated during the sorting process was carried out by a separate group of specialists. Ontogenetic stages of fishes are inherently difficult to identify and this is further complicated by the large number and diversity of species which contribute to the ichthyoplankton of the California Current region. Most identifications were accomplished by establishing ontogenetic series on the basis of morphology, meristics, and pigmentation and then identifying these series by relating them to known metamorphic, juvenile, or adult stages with overlapping features (Powles and Markle, 1984). A total of 151 taxa was identified for 1975, with 97 taken to species, 25 to genus, 24 to family, and 5 to order or suborder. In the decade of the 1970's some taxa were identified for the first time. These included larvae of the bathylagid *Bathylagus longirostris*, the gonostomatids *Danaphos oculatus* and *Valencienellus stellatus*, the myctophid *Bolinichthys* spp., and the trichiurid *Lepidopus xantusi*. Larvae in the families Scopelarchidae and Nomeidae were identified to genus or species. Five species of rockfish in the *Sebastes* group were also identified: *S. aurora*, *S. jordani*, *S. levis*, *S. macdonaldi*, and *S. paucispinis*.

The task of producing a reliable and equitable ichthyoplankton data base required extensive procedures to verify, correct, and edit the original identifications. The primary data source was the original identification sheets (see Kramer et al., 1972, for examples); however, a critical resource used in all phases of this process was the CalCOFI ichthyoplankton collection in which the samples are archived. Throughout the course of CalCOFI ichthyoplankton studies, samples have been identified to the lowest taxon possible. In reviewing these identifications for the data base, our approach has been conservative and we have preserved those identifications and counts which we could confirm, while correcting as many of the errors as possible. After computer entry, taxonomic errors and

inconsistencies in the data base were corrected and the most obvious identification errors were corrected. Our current knowledge of ichthyoplankton techniques coupled with a precise understanding of the development of identification competency in the program over the years allowed us to critically judge the historical records. Identifications were changed to different taxa, lumped to a higher taxonomic category, or given a more precise taxonomic name. In some cases, identifications of a taxon were inconsistent among cruises in a year. These records were made equitable by lumping to the higher taxonomic category to avoid biases that could result in quantitative misinterpretation.

Next, statistical, seasonal, and geographic outliers were identified, employing a series of graphic summaries and listings. Examination of geographic outliers proved to be especially effective because of our accumulated knowledge of species distributions. In the course of examining samples for these outliers, other identification errors were discovered and eventually all taxa were scrutinized to some extent. Lastly, certain taxa were reexamined in all samples for the entire CalCOFI time series. These taxa were selected because of their commercial, ecological, phylogenetic, or zoogeographic importance or because taxonomic confusion was at the ordinal level. The following is a list of the taxa for 1975 which received special attention, with explanations and caveats intended to aid in quantitative interpretations:

Anguilliformes - tentative and sporadic identifications to family or lower taxon lumped to order.

Sardinops sagax - all specimens south of line 120 checked for misidentification of *Opisthonema* spp.

Engraulis mordax - some nearshore samples of small *E. mordax* may contain other anchovy genera which could not be differentiated.

Nansenia spp. - all specimens checked and identified as *N. candida* or *N. crassa*; all specimens of these species near their range boundaries checked.

Bathylagus spp. - includes small and/or disintegrated specimens of *Bathylagus* or *Leuroglossus stilbius*.

Stomiiformes - all specimens checked and identified to genus or species; residuals are small, poorly preserved or unavailable specimens.

Cyclothone spp. - tentative and sporadic identifications to species were lumped to genus.

Vinciguerria lucetia - some *V. poweriae* may remain in these samples because small larvae of the two species could not be

differentiated; sporadic identification of *V. poweriae* began in 1961.

Sternoptychidae - tentative and sporadic identifications of hatchetfishes to genus were lumped to family.

Paralepididae - all specimens examined and identified to species; residuals are small, poorly preserved or unavailable specimens.

Scopelarchidae - all specimens reidentified to species except *Scopelarchus*; residuals are a small, poorly preserved specimen and one unavailable specimen.

Scopelarchus spp. - tentative and sporadic identifications to species lumped to genus.

Lampanyctus spp. - tentative and sporadic identifications to species lumped to genus.

Lampanyctus regalis - underrepresented because of inability to differentiate small larvae (<5 mm) from those of other species of the genus; counts may include other species of the genus because of difficulty in identifying larvae of this large and complex genus.

Lampanyctus ritteri - comment for *L. regalis* applies to this species.

Diogenichthys atlanticus - all specimens at margins of range checked.

Diogenichthys laternatus - all specimens at margins of range checked.

Hygophum spp. - all specimens reidentified to species.

Hygophum atratum - all specimens checked.

Hygophum reinhardtii - all specimens checked.

Symbolophorus californiensis - all specimens south of line 120 checked.

Ophidiiformes - this category did not exist originally and unidentified larvae of this order, including a type referred to as "Zoarcidae", were originally placed in the "blenny" category.

Chilara taylori - all specimens checked.

Ophidion scrippsae - all specimens checked.

Trachipteridae - tentative and sporadic identifications to genus were lumped to family.

Melamphaes spp. - all identifications ascribed to Melamphaidae were reexamined and assigned to genus (*Melamphaes, Poromitra*) or species (*Scopelogadus bispinosus*); larvae originally identified as *Melamphaes* spp. were not reexamined and this category may contain other melamphaid genera.

Anoplopoma fimbria - specimen checked.

Cottidae - all specimens checked.

Oxylebius pictus - all specimens checked.

Zaniolepis spp. - all specimens checked.

Blennioidei - this is the residual of the completely reexamined "blenny" category, which also contained various misidentified ophidiiforms, and is now restricted to members of northern stichaeioid families and true blennioids (other than *Hypsoblennius* spp.) in the southern part of the pattern).

Labridae - all specimens originally identified to family were reexamined and assigned to genus (*Halichoeres* spp.) or species (*Oxyjulis californica*, *Semicossyphus pulcher*).

Chromis punctipinnis - records south of about line 120 may include other pomacentrid taxa.

Howella brodiei - specimen checked; in this report we list *H. brodiei* in the family Apogonidae for convenience, recognizing that its systematic affinities are not resolved.

Carangidae - all specimens checked; tentative and sporadic identifications to genus or species (except *Trachurus symmetricus* and *Seriola lalandi*) were lumped to family.

Seriola lalandi - all specimens checked.

Gerreidae - tentative and sporadic identifications to genus lumped to family.

Haemulidae - tentative and sporadic identifications to genus lumped to family.

Girella nigricans - specimen checked.

Medialuna californiensis - all specimens checked.

Caulolatilus princeps - all specimens checked.

Sciaenidae - tentative and sporadic identifications to genus lumped to family.

Scombridae - all larvae identified to this family or constituent taxa (except *Scomber japonicus*) were reexamined and reassigned; residuals are small, poorly preserved specimens.

Pleuronectiformes - all specimens of this category were reexamined and reidentified.

Bothidae - all specimens examined and reassigned; most were assigned to various paralichthyid genera.

Citharichthys spp. - all larvae identified to species were lumped to genus except *C. stigmaeus*; category includes larvae of *Etropus* spp.

Citharichthys stigmaeus - includes larvae larger than ca. 4.5 mm; smaller larvae are in *Citharichthys* spp.

Paralichthys californicus - all specimens examined.

Xystreurys liolepis - originally misidentified as *Paralichthys californicus*; all specimens reidentified.

Glyptocephalus zachirus - all specimens examined.

Hypsopsetta guttulata - some specimens were originally identified as *Pleuronichthys* spp.

Lepidopsetta bilineata - specimens originally identified as *Psettichthys melanostictus*.

Microstomus pacificus - all specimens examined.

Pleuronichthys spp. - all larvae of this genus and constituent species were examined and assigned to species; residuals are unavailable specimens.

Psettichthys melanostictus - all specimens examined.

COMPUTER ENTRY AND EDITING

Each taxon on the original identification sheets was given a 3-digit code based on the list of codes in Haight et al. (1979). Taxon codes and counts from these sheets were keypunched by cruise and station, along with pertinent station and tow data and entered into the VAX 11/780 computer at the University of California, San Diego, Computing Center. After entries were completed for an entire year, print-out listings of taxa and counts on each station were compared with the original data sheets to eliminate keypunch errors. Next, data in the file were cross-checked with data on an existing file which contained: station and tow data; numbers of eggs of sardine, anchovy, and saury; numbers of larvae of sardine, anchovy, hake, jack mackerel, and Pacific mackerel; total number of fish eggs; and total number of fish larvae.

Discrepancies in ichthyoplankton data in these two files were corrected by inspecting original records from the sorting laboratory, the original ichthyoplankton identification sheets, and the samples themselves. Station and tow data discrepancies between the two files were corrected by reviewing ships' logs and deck tow sheets, original records from the sorting laboratory, cruise announcements, publications, header information on the ichthyoplankton identification sheets, and station plots generated for each cruise. Eventually all station and tow data were checked by comparing these sources.

The corrected ichthyoplankton data base was then examined statistically and outliers were found and checked as above. Distributional plots were then prepared for each taxon and these were checked by reviewing the data sources mentioned above and by examining archived specimens. A listing of each taxon by station (Table 4) was produced, which became the primary document for subsequent checks. Misidentifications found in geographic outlier checks and other misidentifications and data problems discovered in the course of examining archived samples resulted in several iterations of Table 4. Finally, totals in Table 4 were checked against annual summaries of incidence and abundance (Tables 2 and 3). Ecological analyses of the data were conducted concurrently with editing procedures and provided cross-checks that allowed correction of errors.

SPECIES SUMMARY

Collections made in 1975 were analyzed separately from those taken in November and December of 1974 with respect to the pooled occurrences and counts of larvae (Tables 2A,B; 3A,B). Larvae of northern anchovy (*Engraulis mordax*) represented 72% of all fish larvae taken on CalCOFI cruises during 1975 and numbered almost 10 times as many as Pacific hake, *Merluccius productus*, the next most abundant taxon with 7.3% of the total larvae (Table 2b, 3b). Northern anchovy also ranked first in incidence; *M. productus* ranked 8th. The next most abundant was the rockfish genus *Sebastes* with 3.9% of the total, followed by the sanddab genus *Citharichthys* with 3.0%; they ranked 2nd and 4th respectively in incidence. The deepsea smelt *Leuroglossus stilbius* ranked 5th in abundance (2.5%) and 3rd in occurrence. Two myctophids, *Triphoturus mexicanus* and *Stenobrachius leucopsarus*, ranked 6th (1.6%) and 7th (1.2%) in number, and 6th and 5th in occurrence. The final 3 taxa in the top 10 collected in 1975 were the croaker family Sciaenidae, with 0.9%, the gonostomatid *Vinciguerria lucetia*, with 0.7%, and the deepsea smelt *Bathylagus ochotensis*, with 0.6% of total larvae. These 3 taxa ranked 10th, 16th, and 9th in incidence. The appearance of croaker larvae in the top 10 may reflect the increased number of stations occupied on the shoreward end of each line where these larvae are most abundant. These 10 top taxa contributed 93.5% to the total number of larvae collected in 1975; the remaining 6.5% was distributed among 140 taxa plus the disintegrated and unidentified categories. The top

10 taxa comprised 4 coastal demersal taxa, 1 coastal pelagic species, and 5 midwater species.

Six of the 10 most numerous taxa collected in 1974 (Table 2A) were also among the top 10 in 1975 - *Engraulis mordax* with 63.4% of the total larvae, *Sebastes* spp. (9.7%), *Citharichthys* spp. (3.7%), *Vinciguerria lucetia* (2.6%), Sciaenidae (2.2%), and *Leuroglossus stilbius* (2.0%). These six taxa ranked 1st, 3rd, 2nd, 8th, 6th, and 7th in incidence respectively in 1974. Other taxa ranking in the top 10 for 1974 were: 3 myctophids, *Diogenichthys laternatus* (1.4%), *Protomyctophum crockeri* (1.4%), and *Stenobrachius leucopsarus* (1.0%); and a rockfish, *Sebastes paucispinis* (1.0%). These 10 taxa contributed 87.5% to the total number of larvae collected in the 272 tows during 1974; the remaining 12.5% was distributed among 78 taxa plus the disintegrated and unidentified categories. Of the top 10 taxa, 4 were coastal demersal taxa, 1 was a coastal pelagic species, and 5 were midwater species.

EXPLANATION OF TABLES

Table 1 - This table lists by cruise the pertinent station and tow data for 1975 (including November and December, 1974), the volume of water filtered and standard haul factor for each tow, the percent of sample sorted, and the total numbers of fish eggs and larvae. CalCOFI cruises are designated by four digits; the first two indicate the year and the second two the month. Within each cruise the data are listed in order of increasing line and station number (southerly and seaward directions); the order of station occupancy is shown on the station charts (Figures 2-10). Stations are designated by two groups of digits; the first set indicates the line and decimal fraction and the second set indicates the station on the line. Time is listed as Pacific Standard Time at the start of each tow in 24-hour designation. Methods for determining tow depth, volume of water strained, standard haul factor, and percent sorted were described in the methods section. The values for total fish eggs and larvae represent raw counts (unadjusted for percent sorted or standard haul factor). Ship codes are as follows: JD, *David Starr Jordan*; AX, *Alexander Agassiz*.

Table 2A- This table lists pooled occurrences of all larval fish taxa taken during November and December of 1974 in ranked order.

Table 2B- This table lists pooled occurrences of all larval fish taxa taken during 1975 in ranked order.

Table 3A- This table lists pooled counts of all larval fish taxa taken during November and December of 1974 in ranked

order. Numbers are adjusted for percent sorted and standard haul factors.

Table 3B- This table lists pooled counts of all larval fish taxa during 1975 in ranked order. Numbers are adjusted for percent sorted and standard haul factors.

Table 4 - This table gives numbers of fish larvae for each taxon in 1974 and 1975, listed by station and calendar month in which the tow was taken. Counts are adjusted for percent of sample sorted and standard haul factor. Average values are given for stations occupied more than once during a month. See Table 1 for station and tow data and Table 6 for listing of stations with multiple occupancies during a month. Multiple occupancies occurred when a station was occupied more than once during a calendar month; in some cases, multiple occupancies resulted from separate cruises. The orders are listed in "phylogenetic" sequence modified from Nelson (1984). Subtaxa within each order are listed alphabetically. Page numbers for each taxon are given in the index at the end of the report.

Table 5 - This table is a summary of pooled occurrences of all larval fish taxa taken on CalCOFI surveys from 1972 to 1981. Taxa are listed in the same order as in Table 4.

Table 6 - List of stations with multiple occupancies in one month during the 1975 survey.

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would not exist. During the final stages of preparing this report, Reuben Lasker succumbed to cancer. As Chief of the Coastal Fisheries Resources Division, SWFC, his encouragement and support for all of us involved in the sea surveys, sample processing, and data base and report preparation were unwavering. We dedicate this work to his memory.

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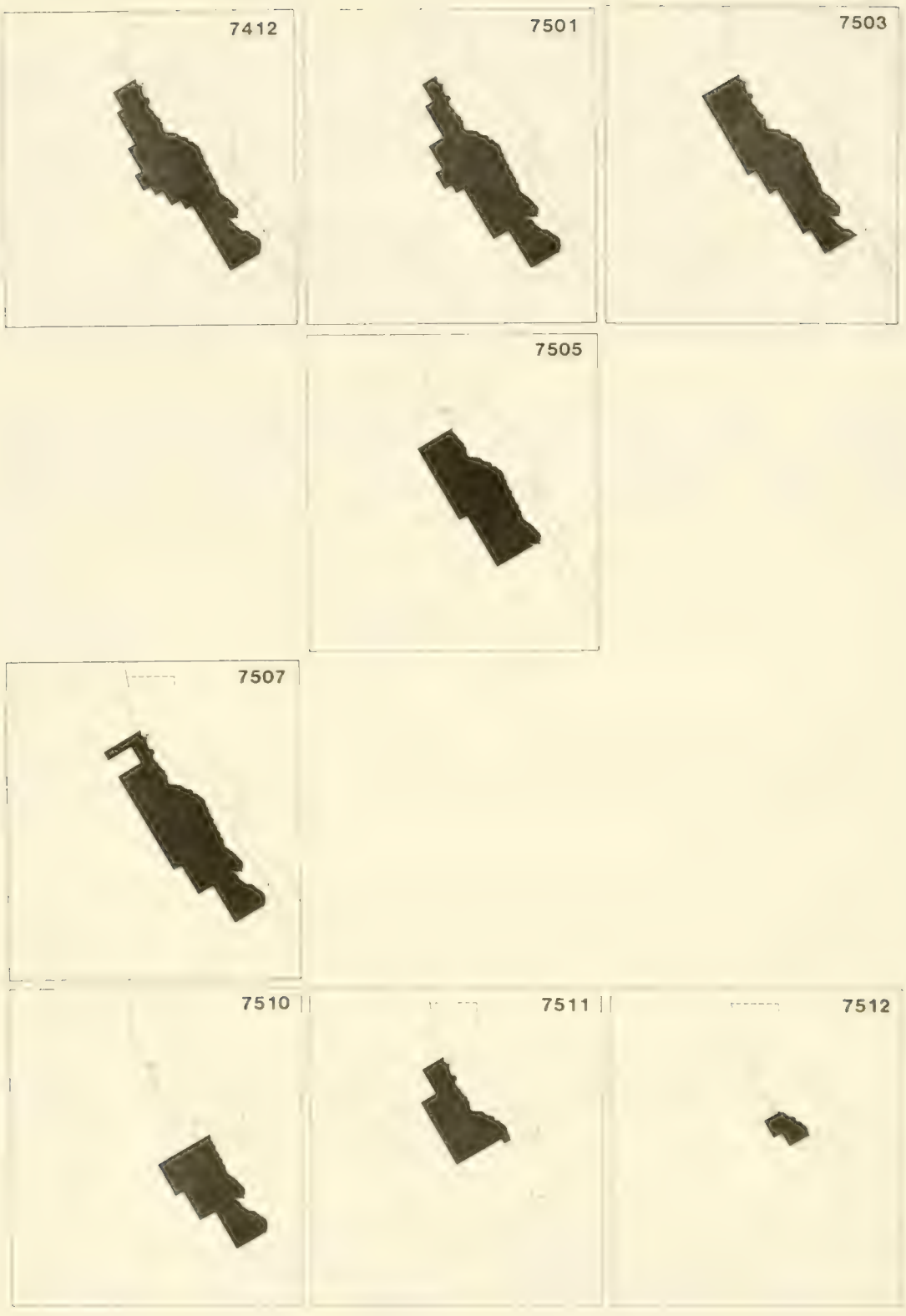

Figure 1. Composite arrangement of diagrammatic charts showing areas sampled on each CalCOFI cruise during 1975.

Figure 2. Station pattern for CalCOFI Cruise 7412 showing the track for the *David Starr Jordan*. Stations with plankton tows are indicated by a dot; circles designate hydrographic stations; diamonds signify STD recordings. Figures 2-10 modified from charts in Univ. of Calif., SIO (1984a, 1984b) to include only those stations listed in Table 1 of this report.

Figure 3. Station pattern for CalCOFI Cruise 7412 - *Alexander Agassiz*. Symbols as in Figure 2.

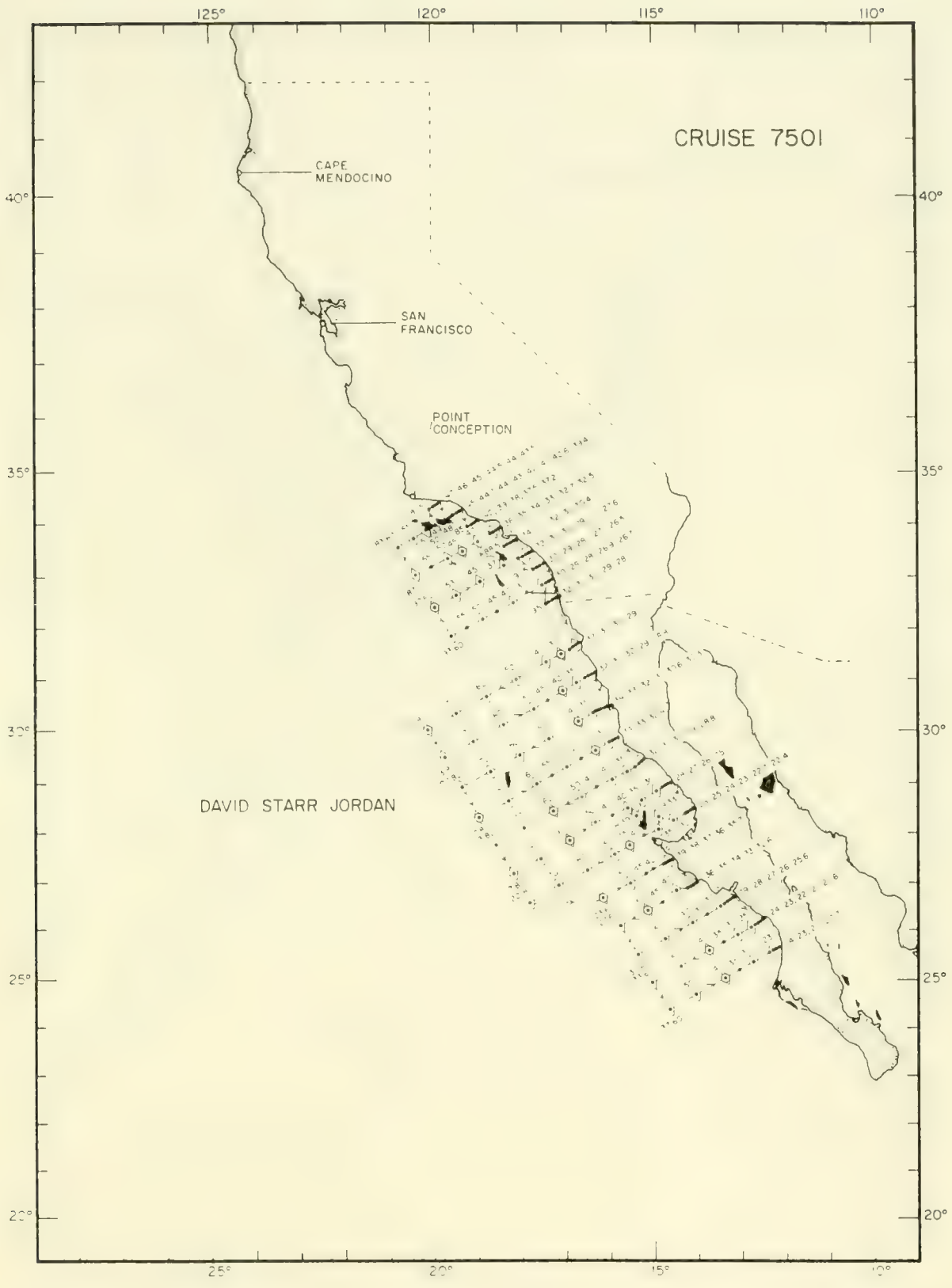

Figure 4. Station pattern for CalCOFI Cruise 7501 - *David Starr Jordan*. Symbols as in Figure 2.

Figure 5. Station pattern for CalCOFI Cruise 7501 - *Alexander Agassiz*. Symbols as in Figure 2.

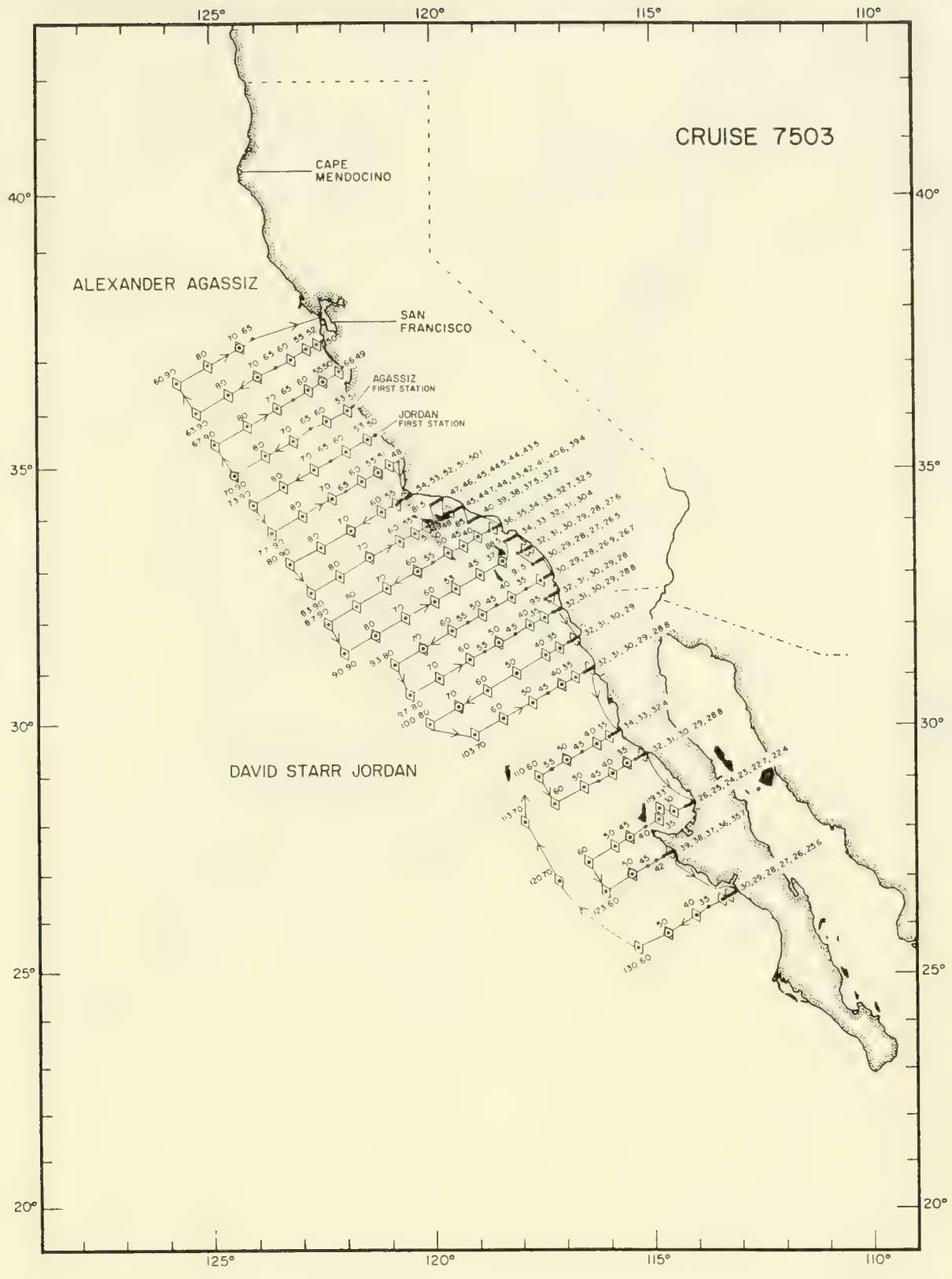

Figure 6. Station pattern for CalCOFI Cruise 7503. Symbols as in Figure 2.

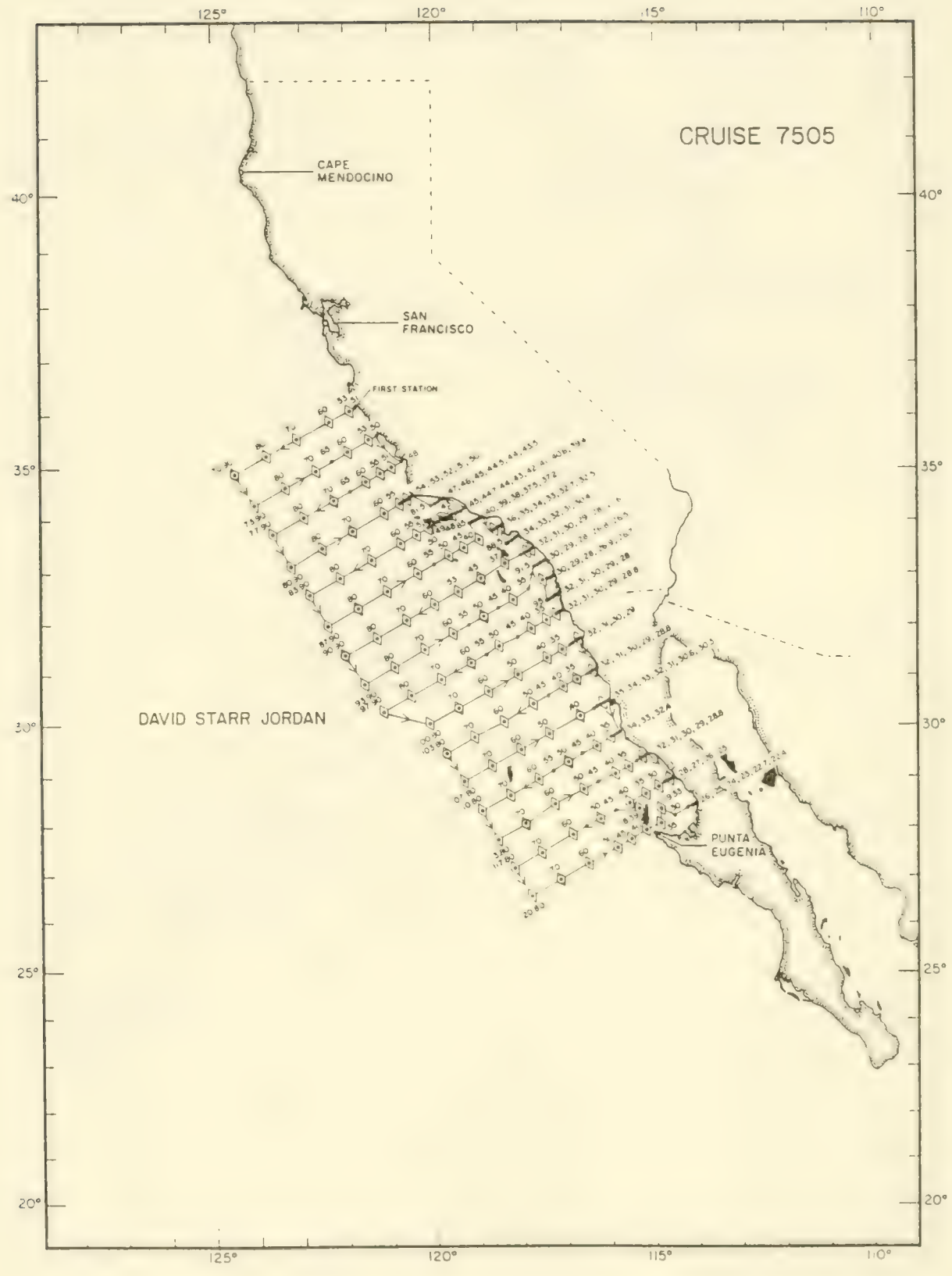

Figure 7. Station pattern for CalCOFI Cruise 7505. Symbols as in Figure 2.

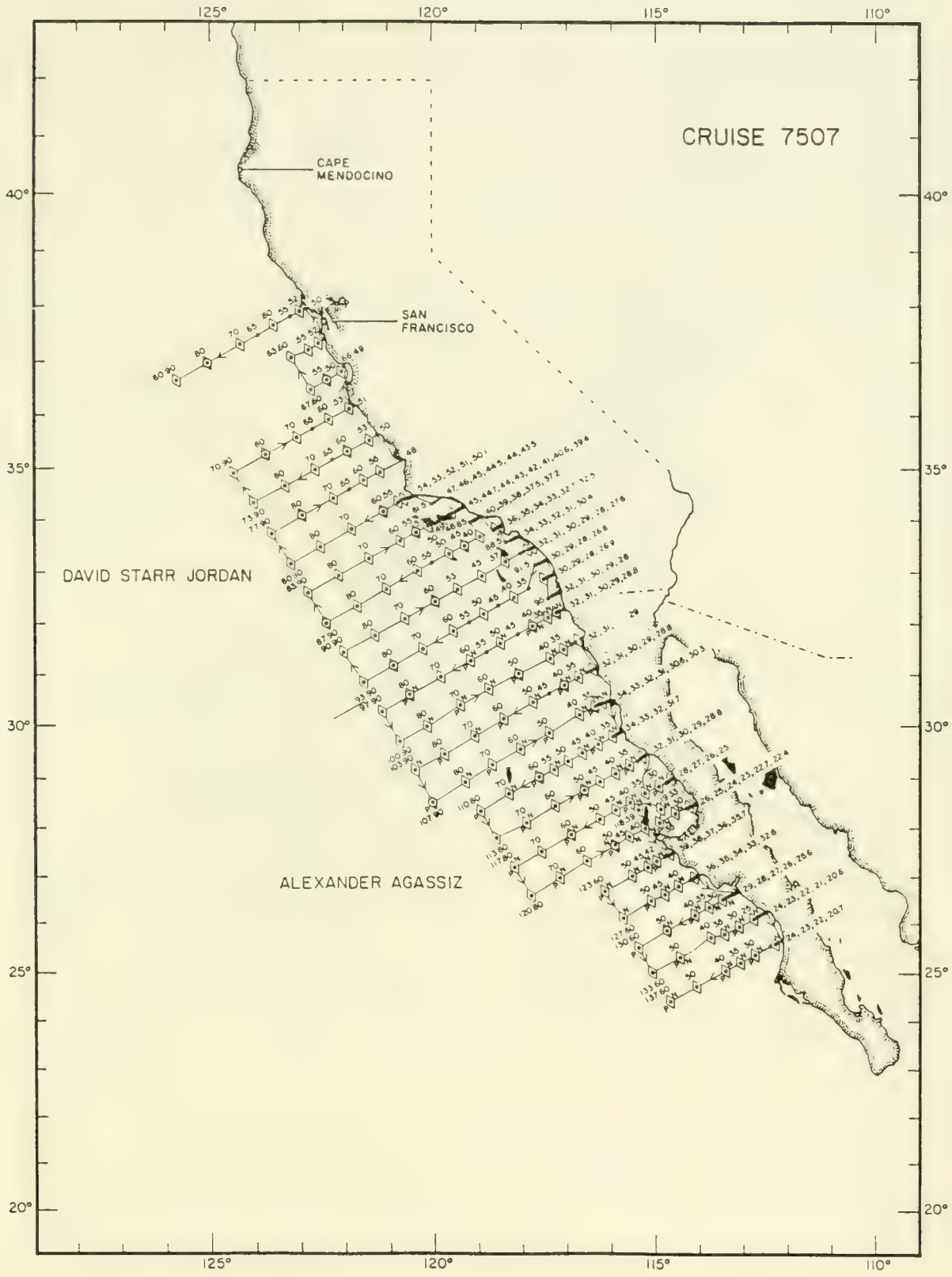

Figure 8. Station pattern for CalCOFI Cruise 7507. Symbols as in Figure 2. "P" and "N" denote phytoplankton and neuston tows, respectively; these data were not included in this report.

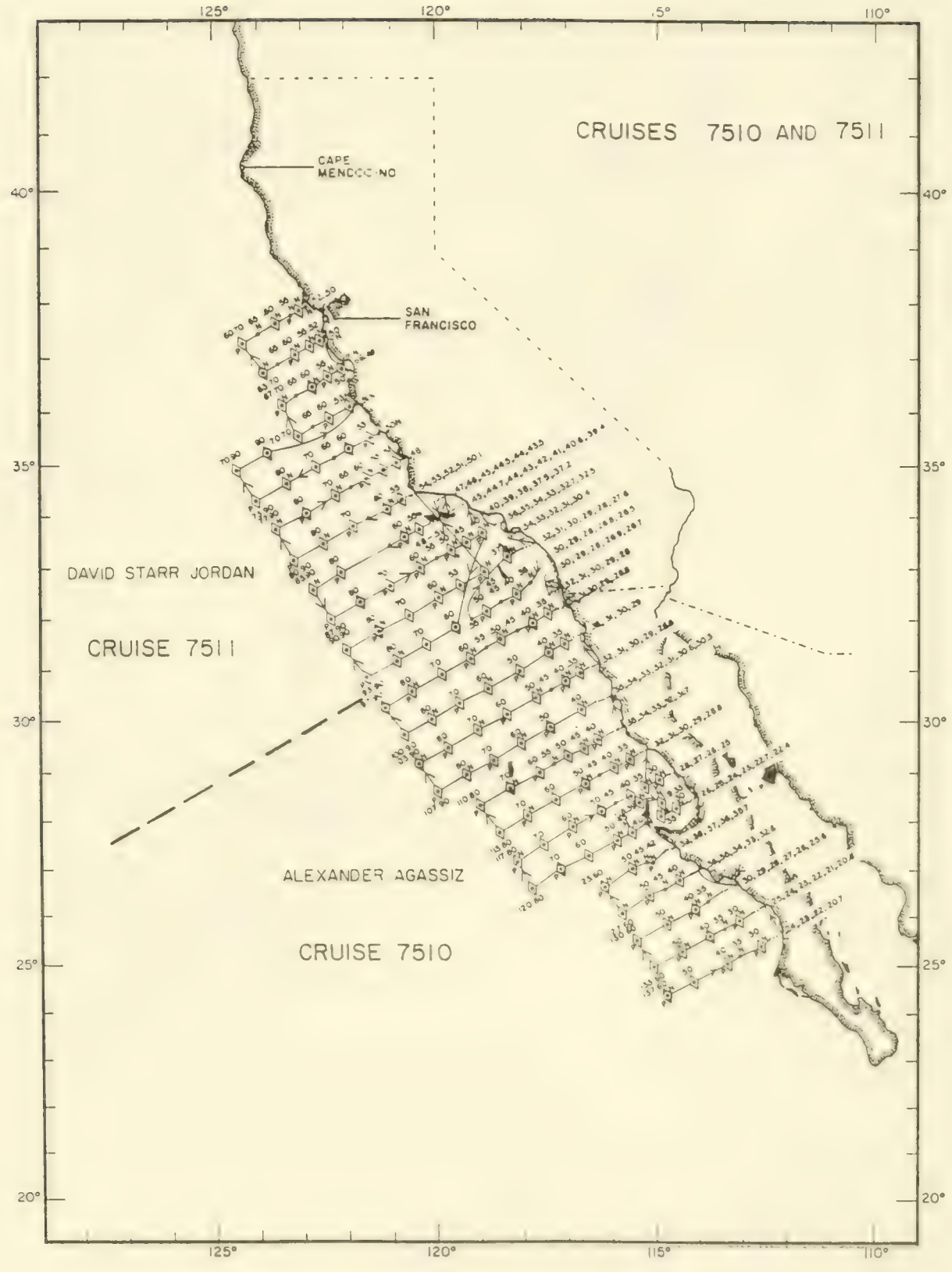

Figure 9. Station pattern for CalCOFI Cruises 7510 and 7511. Symbols as in Figure 8.

Figure 10. Station pattern for CalCOFI Cruise 7512. Net tow stations indicated by dots; see Univ. of Calif., SIO, 1984b for hydrographic stations.

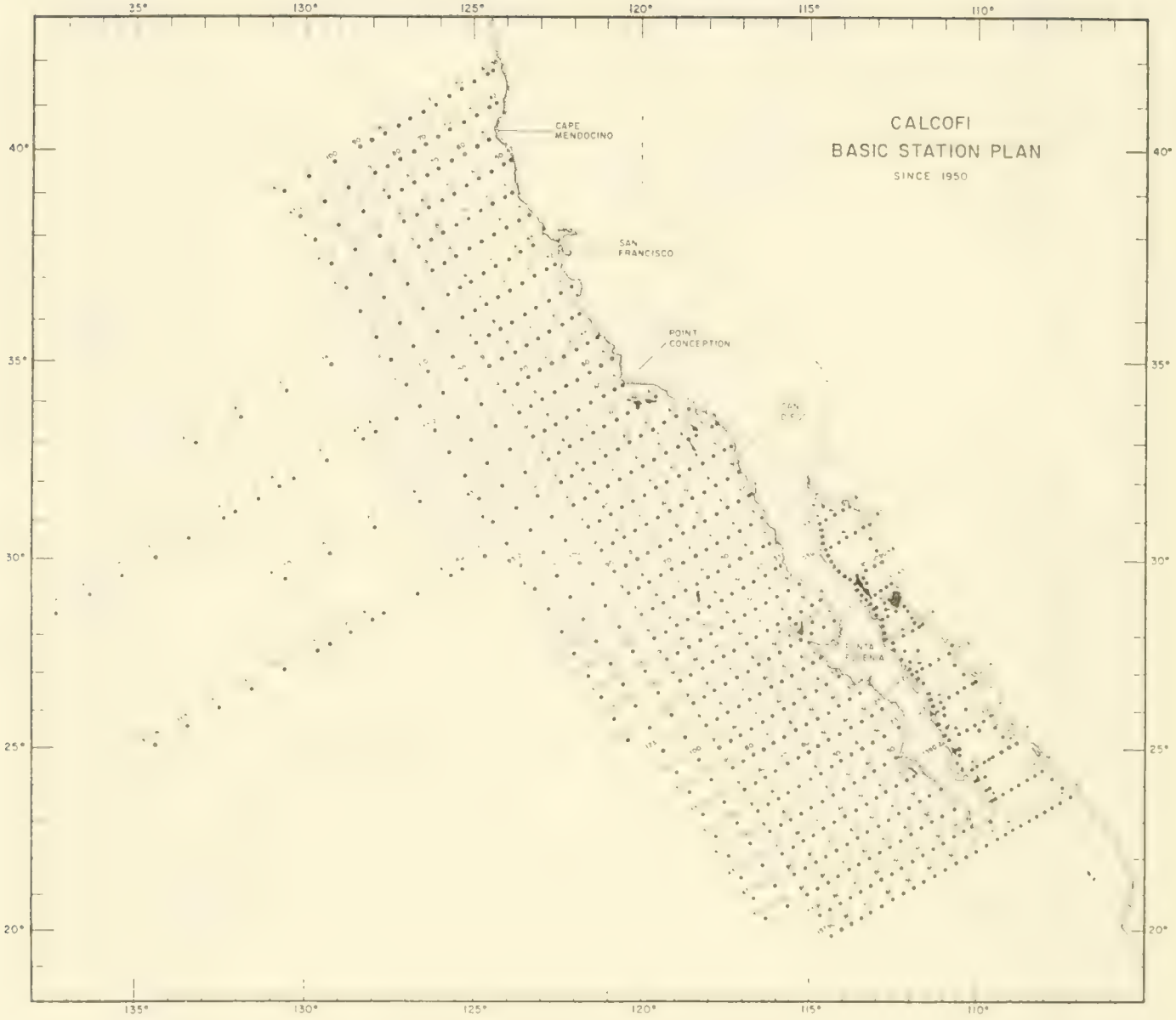

Figure 11. The basic station plan for CalCOFI cruises from 1950 to the present.

TABLE 1. Station and plankton tow data for CalCOFI cruises in 1975. Counts for fish eggs and larvae are not adjusted for standard haul factor or percent of sample sorted.

CalCOFI Cruise 7412

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	50.0	37 57.5	122 53.2	AX	74 12 08	2350	31	159	1.93	25.0	7	2
60.0	52.0	37 53.6	123 01.9	AX	74 12 08	2232	70	255	2.72	25.0	1	7
60.0	55.0	37 47.6	123 15.2	AX	74 12 08	2033	113	312	3.61	25.0	108	2
60.0	60.0	37 36.8	123 36.6	AX	74 12 08	1712	210	757	2.77	25.0	5	13
60.0	65.0	37 26.5	123 58.5	AX	74 12 08	1338	212	701	3.03	25.0	6	12
60.0	70.0	37 17.6	124 18.5	AX	74 12 08	1121	201	756	2.65	25.0	11	12
63.0	50.0	37 23.5	122 28.0	AX	74 12 07	1540	10	66	1.51	25.0	3	178
63.0	52.0	37 19.0	122 36.2	AX	74 12 07	1710	34	140	2.40	25.0	15	613
63.0	55.0	37 12.6	122 50.0	AX	74 12 07	1918	212	760	2.79	25.0	8	3
63.0	60.0	37 03.2	123 12.2	AX	74 12 07	2256	211	744	2.83	25.0	16	9
63.0	65.0	36 53.0	123 32.0	AX	74 12 08	0129	204	702	2.91	25.0	14	11
63.0	72.0	36 39.6	124 04.0	AX	74 12 08	0532	206	704	2.92	25.0	6	8
67.0	49.0	36 50.8	122 00.7	AX	74 12 07	1107	70	256	2.73	25.0	10	135
67.0	50.0	36 49.1	122 04.5	AX	74 12 07	1021	86	298	2.89	25.0	5	19
67.0	56.0	36 35.8	122 30.4	AX	74 12 07	0705	212	782	2.71	25.0	7	8
67.0	60.0	36 28.0	122 47.0	AX	74 12 07	0248	211	573	3.67	25.0	4	7
67.0	65.0	36 16.6	123 07.8	AX	74 12 06	2327	209	767	2.73	25.0	12	9
67.0	70.0	36 07.6	123 29.0	AX	74 12 06	2051	221	700	3.16	25.0	3	10
67.0	80.0	35 48.0	124 12.0	AX	74 12 06	1540	216	715	3.02	25.0	4	15
70.0	51.0	36 11.2	121 46.2	AX	74 12 05	1559	216	715	3.02	25.0	6	52
70.0	53.0	36 06.8	121 53.2	AX	74 12 05	1750	208	742	2.80	25.0	16	21
70.0	60.0	35 52.3	122 23.0	AX	74 12 05	2206	213	689	3.08	25.0	3	17
70.0	65.0	35 45.0	122 45.0	AX	74 12 06	0043	208	714	2.92	25.0	18	20
70.0	70.0	35 34.5	123 07.0	AX	74 12 06	0517	220	658	3.34	25.0	18	17
70.0	80.0	35 13.5	123 48.0	AX	74 12 06	1025	215	695	3.09	25.0	3	25
73.0	50.0	35 37.4	121 17.1	AX	74 12 05	1138	79	265	2.97	25.0	7	11
73.0	53.0	35 31.7	121 28.7	AX	74 12 05	0953	215	669	3.11	25.0	11	9
73.0	60.0	35 19.0	121 58.2	AX	74 12 05	0543	209	723	2.88	25.0	9	30
73.0	65.0	35 09.0	122 19.0	AX	74 12 05	0217	207	760	2.73	25.0	8	20
73.0	70.0	34 58.2	122 38.6	AX	74 12 04	2338	211	701	3.01	25.0	12	18
73.0	80.0	34 36.8	123 21.0	AX	74 12 04	1702	214	771	2.77	25.0	2	10
77.0	48.0	35 08.4	120 43.7	AX	74 12 03	0955	17	103	1.65	100.0	0	0
77.0	51.0	35 02.7	120 56.8	AX	74 12 03	1127	181	843	2.15	25.0	3	27
77.0	60.0	34 44.2	122 33.7	AX	74 12 03	2356	207	721	2.87	25.0	5	21
77.0	65.0	34 34.0	121 55.0	AX	74 12 04	0233	217	791	2.74	25.0	5	9
77.0	70.0	34 22.8	122 17.8	AX	74 12 04	0542	216	675	3.19	25.0	7	3
77.0	80.0	34 05.3	122 58.4	AX	74 12 04	1201	210	754	2.78	25.0	1	5
80.0	50.1	34 28.2	120 30.7	AX	74 12 03	0122	22	119	1.86	100.0	25	28
80.0	51.0	34 26.1	120 32.5	AX	74 12 03	0210	77	316	2.42	25.0	36	3
80.0	52.0	34 24.8	120 35.8	AX	74 12 03	0325	224	617	3.63	25.0	65	3
80.0	53.0	34 23.6	120 40.3	AX	74 12 03	0500	232	725	3.20	25.0	47	10
80.0	54.0	34 21.3	120 44.5	AX	74 12 02	0540	208	683	3.04	25.0	57	18
80.0	55.0	34 18.4	120 48.4	AX	74 12 02	0358	217	701	3.09	25.0	27	28
80.0	60.0	34 08.5	121 08.2	AX	74 12 02	0103	206	743	2.77	25.0	15	17

TABLE 1. (cont.)

CalCOFI Cruise 7412

Line	Station	Lat.(N) deg.	Lat.(N) min.	Long.(W) deg.	Long.(W) min.	Ship Code	Tow Date yr.	Tow Date mo.	Tow Date day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
80.0	70.0	33	48.5	121	51.2	AX	74	12	01	1923	217	657	3.30	25.0	7	3
80.0	80.0	33	28.8	122	32.0	AX	74	12	01	1420	217	736	2.94	25.0	3	3
80.0	90.0	33	09.6	123	10.4	AX	74	12	01	0935	220	729	3.02	25.0	3	9
81.5	43.5	34	24.0	119	47.8	JD	74	11	30	0011	22	91	2.35	100.0	32	101
81.5	44.0	34	23.0	119	50.0	JD	74	11	29	2250	43	158	2.72	100.0	86	317
81.5	44.5	34	22.0	119	52.0	JD	74	11	29	2125	65	213	3.06	100.0	102	31
81.5	45.0	34	21.0	119	54.0	JD	74	11	29	1949	214	661	3.24	25.0	16	27
81.5	46.0	34	19.5	119	58.2	JD	74	11	29	1803	216	623	3.46	25.0	29	11
81.5	47.0	34	17.2	120	02.5	JD	74	11	29	1539	215	653	3.30	25.0	5	20
83.0	39.4	34	14.5	119	19.5	JD	74	11	30	1459	14	66	2.09	100.0	0	7
83.0	40.6	34	12.2	119	24.3	JD	74	11	30	1321	22	85	2.54	100.0	0	32
83.0	41.0	34	11.5	119	26.0	JD	74	11	30	1209	56	204	2.75	100.0	9	26
83.0	42.0	34	09.6	119	30.0	JD	74	11	30	1022	211	670	3.15	25.0	13	31
83.0	43.0	34	08.0	119	34.0	JD	74	11	30	0809	211	668	3.16	25.0	14	15
83.0	44.0	34	05.5	119	38.0	JD	74	11	30	0631	158	504	3.13	25.0	14	58
83.0	44.7	34	04.2	119	41.0	JD	74	11	30	0503	49	173	2.84	100.0	74	97
83.0	45.0	34	03.8	119	42.5	JD	74	11	30	0335	79	258	3.04	100.0	71	82
83.0	48.0	33	58.0	119	55.0	JD	74	11	29	1158	150	467	3.21	25.0	7	5
83.0	49.0	33	55.6	119	59.0	JD	74	11	29	1106	21	91	2.33	100.0	10	106
83.0	50.0	33	53.6	120	03.4	JD	74	11	29	1019	21	102	2.04	100.0	42	57
83.0	51.0	33	52.0	120	08.5	JD	74	11	29	0920	88	295	2.99	25.0	16	10
83.0	55.0	33	44.5	120	24.5	JD	74	11	29	0651	201	693	2.89	25.0	30	40
83.0	60.0	33	34.0	120	45.0	JD	74	11	29	0258	218	596	3.66	25.0	24	18
83.0	70.0	33	14.5	121	26.0	AX	74	11	30	1713	221	704	3.14	25.0	3	17
83.0	80.0	32	55.0	122	07.4	AX	74	11	30	2330	204	772	2.63	25.0	5	2
83.0	90.0	32	35.0	122	47.8	AX	74	12	01	0422	207	779	2.66	25.0	15	8
85.0	37.2	34	02.6	118	58.6	JD	74	12	01	0035	21	92	2.28	100.0	63	231
85.0	37.5	34	02.0	118	59.7	JD	74	11	30	2321	49	179	2.73	100.0	138	29
85.0	38.0	34	01.0	119	02.5	JD	74	11	30	2156	70	251	2.76	100.0	270	6
85.0	39.0	33	59.0	119	06.3	JD	74	11	30	2008	212	695	3.05	25.0	20	15
85.0	40.0	33	57.0	119	10.5	JD	74	11	30	1806	209	684	3.06	25.0	16	8
87.0	32.5	33	55.0	118	27.0	JD	74	12	01	1157	13	68	1.92	100.0	521	408
87.0	32.7	33	54.5	118	28.0	JD	74	12	01	1035	20	99	2.05	100.0	102	550
87.0	33.0	33	54.0	118	29.0	JD	74	12	01	0918	35	140	2.49	100.0	60	224
87.0	34.0	33	52.0	118	33.3	JD	74	12	01	0752	57	217	2.61	100.0	34	121
87.0	35.0	33	50.0	118	38.0	JD	74	12	01	0612	173	611	2.83	25.0	19	7
87.0	36.0	33	48.0	118	41.7	JD	74	12	01	0411	207	732	2.82	25.0	11	5
87.0	40.0	33	40.0	118	58.0	JD	74	11	28	0416	211	720	2.93	25.0	27	19
87.0	45.0	33	30.0	119	19.0	JD	74	11	28	0830	212	648	3.27	25.0	10	23
87.0	50.0	33	20.0	119	39.5	JD	74	11	28	1131	68	259	2.64	25.0	32	5
87.0	55.0	33	09.8	119	59.5	JD	74	11	28	1442	217	620	3.49	25.0	10	21
87.0	60.0	33	00.0	120	21.0	JD	74	11	28	1927	213	604	3.53	25.0	14	82
87.0	70.0	32	40.8	121	02.4	AX	74	11	30	1222	204	755	2.70	25.0	1	2
87.0	80.0	32	20.2	121	43.5	AX	74	11	30	0723	202	769	2.62	25.0	5	15
87.0	90.0	32	00.0	122	25.0	AX	74	11	30	0225	204	748	2.72	25.0	6	7

TABLE 1. (cont.)

CalCOFI Cruise 7412

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
88.5	30.4	33 41.4	118 07.0	JD	74 12 01	2124	14	68	2.02	100.0	52	493
88.5	31.0	33 40.3	118 09.4	JD	74 12 01	2015	13	78	1.68	100.0	38	487
88.5	32.0	33 38.3	118 13.5	JD	74 12 01	1856	21	85	2.43	100.0	156	587
88.5	33.0	33 36.3	118 17.5	JD	74 12 01	1725	178	574	3.10	25.0	8	19
88.5	34.0	33 34.3	118 21.8	JD	74 12 01	1540	213	687	3.10	25.0	32	41
90.0	27.6	33 29.0	117 45.5	JD	74 12 02	0029	38	128	2.93	100.0	105	47
90.0	28.0	33 28.5	117 46.7	JD	74 12 02	0144	192	649	2.96	100.0	65	245
90.0	29.0	33 27.0	117 49.5	JD	74 12 02	0333	207	709	2.92	25.0	18	37
90.0	30.0	33 25.0	117 53.5	JD	74 12 02	0520	203	733	2.78	25.0	35	25
90.0	31.0	33 23.0	117 57.7	JD	74 12 02	0712	205	677	3.03	25.0	32	369
90.0	32.0	33 20.5	118 03.0	JD	74 12 02	0921	213	665	3.21	100.0	63	318
90.0	37.0	33 11.0	118 22.5	JD	74 11 27	2156	211	706	2.98	25.0	10	5
90.0	45.0	32 54.5	118 55.5	JD	74 11 27	1640	217	689	3.15	25.0	5	9
90.0	53.0	32 39.0	119 28.5	JD	74 11 27	1135	218	715	3.04	25.0	6	17
90.0	60.0	32 25.0	119 57.5	JD	74 11 27	0534	212	719	2.94	100.0	23	47
90.0	70.0	32 05.5	120 38.8	AX	74 11 29	0412	219	707	3.10	25.0	2	2
90.0	80.0	31 44.1	121 21.7	AX	74 11 29	0913	212	592	3.57	100.0	14	12
90.0	90.0	31 25.2	122 01.0	AX	74 11 29	1406	208	763	2.73	100.0	12	28
90.0	100.0	31 07.4	122 39.0	AX	74 11 29	1958	216	750	2.88	100.0	42	9
91.5	26.5	33 14.7	117 27.7	JD	74 12 02	1937	13	76	1.73	100.0	11	36
91.5	26.8	33 14.0	117 29.0	JD	74 12 02	1827	35	131	2.63	100.0	15	49
91.5	28.0	31 11.7	117 34.0	JD	74 12 02	1635	212	693	3.05	25.0	18	1
91.5	29.0	33 09.7	117 38.1	JD	74 12 02	1458	212	660	3.21	25.0	21	18
91.5	30.0	33 07.6	117 42.5	JD	74 12 02	1314	213	675	3.15	25.0	10	4
93.0	26.7	32 57.2	117 17.4	JD	74 12 03	0057	36	135	2.54	100.0	19	33
93.0	26.9	32 56.8	117 18.3	JD	74 12 03	0108	57	203	2.80	100.0	72	10
93.0	28.0	32 54.7	117 21.8	JD	74 12 03	0407	209	679	3.08	25.0	31	0
93.0	29.0	32 23.0	117 26.5	JD	74 12 03	0557	206	692	2.98	25.0	38	0
93.0	30.0	32 50.5	117 31.0	JD	74 12 03	0835	210	689	3.04	100.0	45	7
93.0	35.0	32 40.5	117 51.5	JD	74 11 25	2225	218	695	3.14	25.0	77	76
93.0	40.0	32 30.0	118 11.5	JD	74 11 26	0426	209	722	2.89	25.0	32	20
93.0	45.0	32 20.0	118 32.0	JD	74 11 26	0715	203	738	2.75	100.0	6	7
93.0	50.0	32 10.0	118 52.5	JD	74 11 26	1103	217	704	3.08	25.0	1	5
93.0	55.0	31 59.5	119 13.5	JD	74 11 26	1542	212	736	2.88	25.0	2	0
93.0	60.0	31 49.1	119 34.0	AX	74 11 27	0448	216	751	2.87	100.0	9	13
93.0	60.0	31 50.0	119 34.0	JD	74 11 26	2005	216	702	3.08	100.0	15	10
93.0	70.0	31 29.2	120 14.5	AX	74 11 28	2240	203	620	3.27	100.0	24	10
93.0	80.0	31 10.1	120 54.2	AX	74 11 28	1840	208	749	2.77	100.0	17	23
93.0	90.0	30 50.6	121 33.0	AX	74 11 28	1205	205	800	2.56	100.0	8	14
93.0	100.0	30 30.0	122 14.0	AX	74 11 28	0617	220	760	2.89	100.0	51	20
94.0	32.0	32 40.0	117 35.1	AX	74 11 25	1812	212	832	2.54	100.0	5	5
95.0	28.0	32 37.2	117 10.6	JD	74 12 04	1220	14	65	2.07	100.0	1	14
95.0	29.0	32 35.2	117 14.5	JD	74 12 04	1402	36	130	2.78	100.0	13	418
95.0	30.0	32 33.5	117 18.5	JD	74 12 04	1558	82	323	2.53	25.0	9	9
95.0	31.0	32 31.0	117 22.5	JD	74 12 04	1735	203	723	2.80	25.0	16	5

TABLE 1. (cont.)

CalCOFI Cruise 7412

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
95.0	32.0	32 29.0	117 27.0	JD	74 12 04	1925	209	696	3.00	25.0	7	18
97.0	28.8	32 17.8	117 04.0	AX	74 11 25	2330	22	144	1.49	100.0	28	4
97.0	29.0	32 17.2	117 05.2	AX	74 11 26	0010	31	177	1.74	100.0	55	53
97.0	30.0	32 15.8	117 06.9	AX	74 11 26	0052	39	174	2.21	100.0	18	65
97.0	31.0	32 13.5	117 13.3	AX	74 11 26	0152	212	751	2.82	25.0	9	11
97.0	32.0	32 12.0	117 15.6	AX	74 11 26	0413	214	735	2.91	25.0	4	10
97.0	35.0	32 05.5	117 27.5	AX	74 11 26	0640	212	693	3.06	100.0	7	17
97.0	40.0	31 56.2	117 49.0	AX	74 11 26	1103	205	799	2.57	100.0	10	13
97.0	45.0	31 47.5	117 09.0	AX	74 11 26	1332	205	794	2.58	100.0	6	6
97.0	50.0	31 35.9	118 30.9	AX	74 11 26	1655	215	747	2.88	25.0	3	0
97.0	55.0	31 25.4	118 52.0	AX	74 11 26	1928	206	788	2.62	25.0	9	6
97.0	60.0	31 16.6	119 09.9	AX	74 11 26	2308	214	763	2.80	25.0	8	5
97.0	70.0	30 55.8	119 50.9	AX	74 11 27	1238	214	757	2.83	100.0	20	22
97.0	80.0	30 35.0	120 31.0	AX	74 11 27	1822	215	782	2.75	100.0	23	21
97.0	90.0	30 15.7	121 12.9	AX	74 11 27	2333	212	742	2.86	100.0	19	14
100.0	29.0	31 42.2	116 43.4	JD	74 12 05	0210	93	328	2.82	25.0	10	31
100.0	30.5	31 40.5	116 46.5	JD	74 12 05	0335	211	693	3.05	25.0	7	42
100.0	31.0	31 38.5	116 51.0	JD	74 12 05	0449	144	513	2.80	25.0	9	14
100.0	32.0	31 36.8	116 55.0	JD	74 12 05	0545	206	719	2.87	100.0	39	20
100.0	40.0	31 21.0	117 27.0	JD	74 12 05	1134	215	715	3.00	25.0	3	3
100.0	50.0	31 00.0	118 07.0	JD	74 12 05	1655	213	696	3.06	25.0	14	2
100.0	60.0	30 40.0	118 48.0	JD	74 12 05	2256	213	711	2.99	25.0	6	2
100.0	70.0	30 18.0	119 28.0	JD	74 12 06	0356	211	721	2.93	100.0	30	6
100.0	80.0	29 57.0	120 08.0	JD	74 12 06	0841	211	758	2.78	100.0	6	35
103.0	28.8	31 07.6	116 20.0	JD	74 12 07	2221	13	70	1.83	100.0	4	738
103.0	29.0	31 07.0	116 21.0	JD	74 12 07	2141	22	81	2.62	100.0	42	150
103.0	30.0	31 06.0	116 24.5	JD	74 12 07	2102	50	177	2.80	25.0	8	18
103.0	31.0	31 03.2	116 29.0	JD	74 12 07	1916	92	318	2.89	25.0	15	34
103.0	32.0	31 02.0	116 32.5	JD	74 12 07	1810	212	691	3.07	25.0	9	13
103.0	35.0	30 56.0	116 45.0	JD	74 12 07	1612	212	716	2.97	100.0	155	98
103.0	40.0	30 45.5	117 03.7	JD	74 12 07	1305	208	756	2.74	100.0	18	7
103.0	45.0	30 36.0	117 24.0	JD	74 12 07	0919	210	721	2.91	100.0	19	18
103.0	50.0	30 25.5	117 46.0	JD	74 12 07	0631	228	660	3.45	25.0	6	5
103.0	60.0	30 06.0	118 25.0	JD	74 12 07	0056	214	697	3.07	25.0	3	0
103.0	70.0	29 46.5	119 04.0	JD	74 12 06	1952	212	735	2.88	100.0	101	79
103.0	80.0	29 26.7	119 43.0	JD	74 12 06	1412	214	703	3.04	100.0	9	34
107.0	30.3	30 29.3	116 04.0	JD	74 12 08	0246	21	93	2.27	100.0	7	779
107.0	30.6	30 28.7	116 05.3	JD	74 12 08	0323	21	94	2.27	100.0	15	380
107.0	31.0	30 27.8	116 07.0	JD	74 12 08	0403	41	163	2.49	25.0	18	26
107.0	32.0	30 25.8	116 11.0	JD	74 12 08	0514	210	688	3.05	25.0	20	559
107.0	33.0	30 23.9	116 15.0	JD	74 12 08	0618	209	692	3.01	25.0	7	12
107.0	34.0	30 22.0	116 19.0	JD	74 12 08	0722	213	673	3.16	25.0	2	6
107.0	35.0	30 21.0	116 22.0	JD	74 12 08	0907	212	702	3.02	25.0	1	4
107.0	40.0	30 11.0	116 42.0	JD	74 12 08	1224	213	684	3.11	25.0	4	4
107.0	50.0	29 45.5	117 20.0	JD	74 12 08	1819	210	687	3.06	25.0	10	4

TABLE 1. (cont.)

CalCOFI Cruise 7412

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
107.0	60.0	29	30.0	118	01.0	JD	74	12	08	2348	214	470	4.55	25.0	13	154
110.0	32.4	29	51.5	115	49.8	JD	74	12	09	2249	34	140	2.41	100.0	361	387
110.0	33.0	29	50.0	115	52.0	JD	74	12	09	2210	74	280	2.65	100.0	125	407
110.0	34.0	29	48.5	115	55.7	JD	74	12	09	2102	203	692	2.93	25.0	57	3
110.0	35.0	29	46.0	116	00.0	JD	74	12	09	1959	206	738	2.79	25.0	29	8
110.0	40.0	29	35.8	116	19.2	JD	74	12	09	1627	212	696	3.04	25.0	4	1
110.0	45.0	29	27.7	117	40.5	JD	74	12	09	1309	210	699	3.01	25.0	7	8
110.0	50.0	29	16.5	116	59.0	JD	74	12	09	1030	210	737	2.85	100.0	64	60
110.0	55.0	29	06.5	117	19.0	JD	74	12	09	0715	209	739	2.83	100.0	40	47
110.0	60.0	28	56.5	117	38.5	JD	74	12	09	0449	209	684	3.05	25.0	12	22
113.0	28.8	29	25.0	115	12.5	JD	74	12	10	0324	14	67	2.04	100.0	7	48
113.0	29.0	29	24.3	115	13.5	JD	74	12	10	0354	14	70	1.98	100.0	5	28
113.0	30.0	29	22.0	115	18.0	JD	74	12	10	0505	49	182	2.68	100.0	25	71
113.0	31.0	29	20.5	115	21.5	JD	74	12	10	0549	71	257	2.74	25.0	16	22
113.0	32.0	29	18.0	115	25.5	JD	74	12	10	0631	83	306	2.70	25.0	6	30
113.0	35.0	29	13.5	115	40.0	JD	74	12	10	0915	209	712	2.93	25.0	12	33
113.0	40.0	29	02.0	115	56.0	JD	74	12	10	1207	211	698	3.02	100.0	27	7
113.0	45.0	29	52.5	116	18.3	JD	74	12	10	1436	215	693	3.10	100.0	175	64
113.0	50.0	28	41.5	116	37.0	JD	74	12	10	1759	208	702	2.96	100.0	16	5
113.0	60.0	28	22.0	117	16.0	JD	74	12	10	2235	211	685	3.08	25.0	6	5
117.0	25.0	28	58.0	114	37.0	JD	74	12	12	0538	48	189	2.53	100.0	9	69
117.0	26.0	28	56.0	114	41.5	JD	74	12	12	0452	60	238	2.51	100.0	30	72
117.0	27.0	39	65.0	114	45.0	JD	74	12	12	0413	68	257	2.65	100.0	48	171
117.0	28.0	28	52.3	114	49.2	JD	74	12	12	0326	70	252	2.77	100.0	85	58
117.0	30.0	28	47.5	115	56.5	JD	74	12	12	0211	85	287	2.97	100.0	30	369
117.0	35.0	28	38.0	115	16.0	JD	74	12	11	2303	172	617	2.78	25.0	7	18
117.0	40.0	28	27.1	115	36.5	JD	74	12	11	1614	214	674	3.18	100.0	109	39
117.0	45.0	28	18.5	115	56.3	JD	74	12	11	1256	211	696	3.03	100.0	4	12
117.0	50.0	28	08.0	116	15.0	JD	74	12	11	1020	212	673	3.15	25.0	2	7
117.0	60.0	27	48.0	116	53.0	JD	74	12	11	0523	209	701	2.98	100.0	62	73
118.0	39.0	28	18.5	115	24.0	JD	74	12	11	1840	210	708	2.96	25.0	5	18
119.0	33.0	28	19.0	114	53.0	JD	74	12	12	1810	101	346	2.91	100.0	22	115
120.0	22.4	28	28.2	114	04.4	JD	74	12	12	1015	13	78	1.59	100.0	5	227
120.0	22.7	28	27.5	114	05.5	JD	74	12	12	1042	14	73	1.91	100.0	2	87
120.0	23.0	28	26.8	114	06.8	JD	74	12	12	1106	17	67	2.51	100.0	2	57
120.0	24.0	28	25.0	114	10.5	JD	74	12	12	1153	21	97	2.13	100.0	19	63
120.0	25.0	28	22.5	114	15.0	JD	74	12	12	1235	42	163	2.60	100.0	3	121
120.0	26.0	28	20.6	114	18.1	JD	74	12	12	1320	65	228	2.85	100.0	21	32
120.0	30.0	28	13.3	114	34.0	JD	74	12	12	1543	85	293	2.91	100.0	68	21
120.0	35.0	28	03.0	114	54.0	JD	74	12	12	2010	70	265	2.64	100.0	20	28
120.0	40.0	27	56.5	115	14.0	JD	74	12	12	2211	35	150	2.31	100.0	15	43
120.0	45.0	27	43.0	115	33.0	JD	74	12	13	0122	214	693	3.08	100.0	41	63
120.0	50.0	27	33.0	115	52.5	JD	74	12	13	0555	212	655	3.23	100.0	48	20
120.0	60.0	27	13.0	116	30.5	JD	74	12	13	1049	211	718	2.94	100.0	23	50
123.0	35.7	27	26.5	114	35.2	JD	74	12	14	0748	23	89	2.54	100.0	53	62

TABLE 1. (cont.)

CalCOFI Cruise 7412

Line	Station	Lat.(N) deg.	Lat.(N) min.	Long.(W) deg.	Long.(W) min.	Ship Code	Tow Date yr.	Tow Date mo.	Tow Date day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
123.0	36.0	27	26.5	114	36.5	JD	74	12	14	0714	41	164	2.51	100.0	158	192
123.0	37.0	27	24.0	114	40.0	JD	74	12	14	0624	65	233	2.77	100.0	23	270
123.0	38.0	27	22.0	114	44.5	JD	74	12	14	0520	65	269	2.42	100.0	48	100
123.0	39.0	27	21.0	114	49.0	JD	74	12	14	0425	100	359	2.77	100.0	16	10
123.0	42.0	27	13.6	115	00.3	JD	74	12	14	0238	213	719	2.96	25.0	11	7
123.0	45.0	27	08.0	115	11.5	JD	74	12	14	0034	211	703	2.99	100.0	1	28
123.0	50.0	26	58.0	115	31.0	JD	74	12	13	2143	184	774	2.38	25.0	9	2
123.0	60.0	26	38.5	116	09.0	JD	74	12	13	1552	209	730	2.86	25.0	2	4
127.0	32.6	26	58.0	114	03.3	JD	74	12	14	1222	21	93	2.29	100.0	22	92
127.0	33.0	26	57.5	114	02.2	JD	74	12	14	1316	57	210	2.70	100.0	220	269
127.0	34.0	26	55.0	114	06.2	JD	74	12	14	1442	70	252	2.78	100.0	146	170
127.0	35.0	26	53.3	114	10.8	JD	74	12	14	1537	84	307	2.73	100.0	451	399
127.0	36.0	26	51.0	114	14.0	JD	74	12	14	1627	210	710	2.95	100.0	425	647
127.0	40.0	26	43.0	114	29.0	JD	74	12	14	2010	211	715	2.95	100.0	83	17
127.0	45.0	26	33.0	114	49.0	JD	74	12	14	2234	214	684	3.13	25.0	20	11
127.0	50.0	26	23.6	115	08.0	JD	74	12	15	0203	214	698	3.06	25.0	3	12
127.0	60.0	26	02.0	115	46.0	JD	74	12	15	0656	209	711	2.94	25.0	5	16
130.0	25.6	26	37.7	113	11.7	JD	74	12	16	0840	14	61	2.31	100.0	19	56
130.0	26.0	26	37.0	113	13.0	JD	74	12	16	0810	14	64	2.20	100.0	52	36
130.0	27.0	26	35.0	113	17.0	JD	74	12	16	0726	34	143	2.33	100.0	96	200
130.0	28.0	26	33.0	113	21.0	JD	74	12	16	0604	50	185	2.71	100.0	216	140
130.0	29.0	26	31.0	113	25.0	JD	74	12	16	0500	64	229	2.80	100.0	560	153
130.0	30.0	26	29.0	113	28.8	JD	74	12	16	0410	70	261	2.70	100.0	654	270
130.0	35.0	26	19.7	113	48.3	JD	74	12	16	0128	212	714	2.97	25.0	3	2
130.0	40.0	26	09.0	114	07.0	JD	74	12	15	2252	216	694	3.11	25.0	17	8
130.0	50.0	24	44.0	114	46.0	JD	74	12	15	1637	214	739	2.90	100.0	2	99
130.0	60.0	25	29.0	115	23.0	JD	74	12	15	1151	211	717	2.94	100.0	15	62
133.0	20.6	26	13.3	112	31.0	JD	74	12	16	1305	28	120	2.33	100.0	107	91
133.0	21.0	26	12.5	112	32.6	JD	74	12	16	1334	38	170	2.21	100.0	230	249
133.0	22.0	26	10.5	112	36.5	JD	74	12	16	1418	54	215	2.50	100.0	914	636
133.0	23.0	26	08.5	112	40.3	JD	74	12	16	1502	60	251	2.40	100.0	1025	153
133.0	24.0	26	06.4	112	44.3	JD	74	12	16	1548	68	270	2.51	100.0	1046	151
133.0	25.0	26	04.5	112	48.0	JD	74	12	16	1639	67	250	2.69	100.0	1282	171
133.0	30.0	25	55.0	113	07.0	JD	74	12	16	1932	177	589	2.99	25.0	8	5
133.0	35.0	25	45.0	113	27.0	JD	74	12	16	2155	212	698	3.03	25.0	2	3
133.0	40.0	25	34.5	113	45.5	JD	74	12	17	0155	212	696	3.04	25.0	8	3
133.0	50.0	25	13.5	114	24.0	JD	74	12	17	0715	206	732	2.81	100.0	10	26
133.0	60.0	24	54.5	115	02.0	JD	74	12	17	1203	212	706	3.00	100.0	1	9
137.0	20.7	25	38.3	112	10.2	JD	74	12	18	1550	14	68	1.99	100.0	246	111
137.0	22.0	25	35.5	112	15.1	JD	74	12	18	1459	43	155	2.73	100.0	1035	236
137.0	23.0	25	34.7	112	19.1	JD	74	12	18	1420	64	224	2.85	100.0	556	129
137.0	24.0	25	31.8	112	22.8	JD	74	12	18	1328	70	251	2.78	100.0	479	405
137.0	30.0	25	20.0	112	46.0	JD	74	12	18	1033	208	693	3.01	25.0	1	4
137.0	35.0	25	10.0	113	04.5	JD	74	12	18	0728	210	700	2.99	100.0	8	162
137.0	40.0	25	00.8	113	24.0	JD	74	12	18	0453	211	702	3.00	100.0	32	43
137.0	50.0	22	40.0	114	02.0	JD	74	12	17	2220	210	746	2.81	100.0	33	53
137.0	60.0	24	20.0	114	39.5	JD	74	12	17	1726	209	694	3.01	100.0	113	322

TABLE 1. (cont.)

CalCOFI Cruise 7501

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	50.0	37	57.3	122	53.1	AX	75	02	15	2333	32	142	2.20	100.0	1	12
60.0	52.0	37	54.0	123	01.6	AX	75	02	15	2022	61	237	2.54	100.0	49	10
60.0	55.0	37	47.7	123	15.5	AX	75	02	15	2000	123	430	2.83	25.0	58	16
60.0	60.0	37	37.0	123	37.0	AX	75	02	15	1555	205	705	2.89	25.0	6	50
63.0	50.0	37	22.5	122	28.5	AX	75	02	15	0157	28	124	2.25	100.0	91	906
63.0	52.0	37	19.4	122	36.2	AX	75	02	15	0337	71	242	2.92	25.0	80	289
63.0	55.0	37	13.0	122	50.0	AX	75	02	15	0545	196	778	2.50	25.0	89	33
63.0	60.0	37	03.7	123	11.4	AX	75	02	15	0941	210	676	3.09	25.0	5	27
66.0	49.0	36	53.0	122	01.7	AX	75	02	14	2110	48	183	2.61	100.0	91	34
67.0	50.0	36	49.2	122	04.5	AX	75	02	14	2012	96	301	3.16	25.0	35	65
67.0	55.0	36	40.0	122	25.6	AX	75	02	14	1626	220	678	3.22	25.0	57	67
67.0	60.0	36	28.0	122	47.0	AX	75	02	14	1241	232	630	3.70	25.0	6	3
67.0	65.0	36	18.0	123	06.7	AX	75	02	14	0921	210	728	2.90	25.0	1	3
67.0	70.0	36	07.0	123	30.3	AX	75	02	14	0640	224	616	3.64	25.0	3	2
70.0	51.0	36	11.2	121	43.8	AX	75	02	13	1133	151	580	2.62	25.0	38	10
70.0	53.0	36	06.3	121	54.2	AX	75	02	13	1450	216	680	3.19	25.0	26	40
70.0	60.0	35	52.8	122	23.0	AX	75	02	13	1818	212	669	3.17	25.0	42	20
70.0	65.0	35	43.5	122	44.7	AX	75	02	13	2108	197	699	2.83	25.0	21	8
70.0	70.0	35	33.5	123	06.0	AX	75	02	14	0015	223	639	3.50	25.0	24	8
73.0	50.0	35	37.0	121	17.0	AX	75	02	13	0730	87	309	2.81	25.0	142	2
73.0	53.0	35	31.5	121	28.5	AX	75	02	13	0520	212	650	3.28	25.0	51	110
73.0	60.0	35	17.8	121	57.3	AX	75	02	12	1545	213	669	3.20	50.0	185	153
73.0	65.0	35	06.2	122	18.3	AX	75	02	12	0604	209	720	2.92	25.0	39	154
73.0	70.0	34	58.0	122	40.0	AX	75	02	12	0336	204	739	2.78	25.0	2	4
77.0	48.0	35	08.4	120	43.7	AX	75	02	11	0841	19	109	1.72	100.0	87	227
77.0	51.0	35	02.2	120	56.2	AX	75	02	11	1047	210	706	2.98	25.0	33	29
77.0	55.0	34	54.2	121	12.7	AX	75	02	11	1345	235	564	4.17	25.0	36	114
77.0	60.0	34	44.5	121	33.8	AX	75	02	11	1700	215	670	3.22	25.0	62	168
77.0	65.0	34	34.2	121	55.5	AX	75	02	11	1937	209	738	2.84	25.0	45	14
77.0	70.0	34	23.6	122	16.2	AX	75	02	11	2234	216	691	3.13	25.0	15	0
80.0	50.1	34	28.3	120	29.6	AX	75	01	26	2001	19	105	1.76	100.0	104	72
80.0	51.0	34	26.1	120	32.8	AX	75	01	26	1913	75	316	2.36	25.0	57	89
80.0	52.0	34	24.8	120	35.8	AX	75	01	26	1815	190	775	2.47	25.0	24	148
80.0	53.0	34	22.5	120	40.0	AX	75	01	26	0500	183	719	2.56	25.0	65	80
80.0	54.0	34	21.0	120	44.0	AX	75	01	26	1552	221	641	3.45	25.0	29	68
80.0	55.0	34	19.3	120	48.2	AX	75	01	26	1435	210	725	2.92	25.0	95	68
80.0	60.0	34	08.3	121	09.3	AX	75	01	26	1111	204	725	2.83	25.0	191	80
80.0	70.0	33	48.8	121	49.8	AX	75	01	26	0459	198	726	2.74	25.0	15	3
80.0	80.0	33	29.2	122	30.5	AX	75	01	25	2318	207	662	3.13	25.0	5	6
80.0	90.0	33	10.4	123	12.8	AX	75	01	25	1756	219	688	3.19	100.0	52	38
81.5	43.5	34	24.1	119	47.8	JD	75	01	14	1835	18	100	1.82	100.0	17	16
81.5	44.0	34	23.1	119	49.9	JD	75	01	14	1700	48	181	2.66	100.0	30	35
81.5	44.5	34	22.1	119	52.0	JD	75	01	14	1542	71	239	2.95	100.0	133	187
81.5	45.0	34	21.1	119	54.0	JD	75	01	14	1342	213	707	3.01	25.0	57	137

TABLE 1. (cont.)

CalCOFI Cruise 7501

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
81.5	46.0	34	19.0	119	58.0	JD	75	01	14	1149	212	637	3.33	25.0	76	120
81.5	47.0	34	17.0	120	02.5	JD	75	01	14	0858	211	637	3.31	25.0	34	156
83.0	39.4	34	14.7	119	19.4	JD	75	01	15	0954	14	92	1.51	100.0	96	849
83.0	40.6	34	12.5	119	24.2	JD	75	01	15	0820	20	89	2.27	100.0	112	373
83.0	41.0	34	11.5	119	26.0	JD	75	01	15	0710	49	170	2.85	100.0	171	106
83.0	42.0	34	09.6	119	30.0	JD	75	01	15	0510	212	668	3.17	25.0	146	119
83.0	43.0	34	08.0	119	34.0	JD	75	01	15	0252	214	675	3.16	25.0	46	28
83.0	44.0	35	05.6	119	38.2	JD	75	01	15	0050	143	453	3.15	25.0	115	20
83.0	44.7	34	04.2	119	41.2	JD	75	01	14	2308	86	318	2.70	100.0	165	59
83.0	45.0	34	03.6	119	42.5	JD	75	01	14	2142	69	266	2.59	25.0	71	14
83.0	48.0	33	58.0	119	55.0	JD	75	01	14	0510	111	371	2.99	25.0	113	37
83.0	49.0	33	55.6	119	59.0	JD	75	01	14	0425	20	97	2.09	100.0	54	12
83.0	50.0	33	53.8	120	03.5	JD	75	01	14	0332	21	80	2.64	100.0	236	23
83.0	51.0	33	52.0	120	08.5	JD	75	01	14	0230	104	354	2.94	25.0	125	29
83.0	55.0	33	44.0	120	24.5	JD	75	01	13	2350	209	638	3.27	25.0	292	67
83.0	60.0	33	34.0	120	46.0	JD	75	01	13	1940	207	672	3.08	25.0	227	673
83.0	70.0	33	15.2	121	26.8	AX	75	01	25	0118	210	699	3.01	25.0	33	18
83.0	80.0	32	54.0	122	08.8	AX	75	01	25	0732	212	709	3.00	100.0	9	16
83.0	90.0	32	34.3	122	49.6	AX	75	01	25	1221	219	668	3.29	100.0	17	19
85.0	37.2	34	02.6	118	58.6	JD	75	01	15	1950	28	112	2.46	100.0	307	74
85.0	37.5	34	02.1	118	59.7	JD	75	01	15	1845	48	184	2.62	25.0	80	16
85.0	38.0	34	01.0	119	02.5	JD	75	01	15	1705	214	663	3.23	25.0	73	66
85.0	39.0	33	59.0	119	06.3	JD	75	01	15	1519	215	638	3.37	25.0	126	67
85.0	40.0	33	57.0	119	10.5	JD	75	01	15	1314	215	665	3.23	25.0	229	207
87.0	32.5	33	53.5	118	26.4	JD	75	01	16	0720	13	73	1.80	100.0	228	2265
87.0	32.7	33	54.5	118	28.0	JD	75	01	16	0617	20	92	2.16	100.0	548	2562
87.0	33.0	33	53.9	118	29.0	JD	75	01	16	0510	47	189	2.50	100.0	771	494
87.0	34.0	33	52.0	118	33.2	JD	75	01	16	0338	70	250	2.81	25.0	54	159
87.0	35.0	33	50.0	118	37.5	JD	75	01	16	0133	213	683	3.12	25.0	140	40
87.0	36.0	33	48.0	118	40.7	JD	75	01	15	2318	207	679	3.05	25.0	56	53
87.0	40.0	33	39.5	118	58.0	JD	75	01	13	0016	211	621	3.40	25.0	171	1694
87.0	45.0	33	28.8	119	19.0	JD	75	01	13	0440	209	618	3.38	25.0	152	1059
87.0	50.0	33	20.0	119	39.5	JD	75	01	13	0740	64	225	2.82	25.0	144	120
87.0	55.0	33	10.0	120	00.0	JD	75	01	13	1029	208	664	3.14	25.0	100	327
87.0	70.0	32	38.7	121	02.2	AX	75	01	24	1917	223	671	3.34	100.0	3413	57
87.0	80.0	32	18.2	121	44.0	AX	75	01	24	1342	201	735	2.75	100.0	19	26
87.0	90.0	32	00.0	122	22.0	AX	75	01	24	0833	211	686	3.09	100.0	12	22
88.5	30.4	33	41.4	118	07.1	JD	75	01	16	1702	14	66	2.08	100.0	55	1226
88.5	31.0	33	40.3	118	09.4	JD	75	01	16	1605	20	92	2.14	100.0	196	3352
88.5	32.0	33	37.7	118	13.1	JD	75	01	16	1426	29	110	2.63	100.0	117	1307
88.5	34.0	33	34.0	118	22.0	JD	75	01	16	1050	208	702	2.96	25.0	90	227
90.0	27.6	33	29.3	117	45.5	JD	75	01	16	1950	43	156	2.73	100.0	401	293
90.0	29.0	33	27.0	117	49.5	JD	75	01	16	2314	213	704	3.02	25.0	172	68
90.0	30.0	33	25.0	117	53.5	JD	75	01	17	0059	212	651	3.25	25.0	324	51
90.0	31.0	33	23.0	117	57.5	JD	75	01	17	0318	213	618	3.45	100.0	408	262

TABLE 1. (cont.)

CalCOFI Cruise 7501

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
90.0	32.0	33	21.0	118	02.0	JD	75	01	17	0520	208	687	3.03	25.0	211	162
90.0	37.0	33	11.0	118	22.5	JD	75	01	12	1725	199	710	2.81	25.0	468	266
90.0	45.0	32	54.5	118	55.5	JD	75	01	12	1218	212	653	3.24	25.0	341	416
90.0	53.0	32	39.0	119	28.5	JD	75	01	12	0727	210	687	3.05	100.0	180	765
90.0	60.0	32	25.0	119	57.5	JD	75	01	12	0329	209	661	3.16	100.0	1364	395
90.0	70.0	32	03.3	120	39.0	AX	75	01	23	0926	211	693	3.05	100.0	656	103
90.0	80.0	31	45.2	121	18.3	AX	75	01	23	1412	209	732	2.88	100.0	32	56
90.0	90.0	31	25.0	122	02.0	AX	75	01	23	1950	214	751	2.86	100.0	33	16
90.0	100.0	31	05.0	122	39.3	AX	75	01	24	0121	204	702	2.92	100.0	38	37
91.5	26.5	33	14.7	117	27.7	JD	75	01	17	1555	14	71	2.00	100.0	100	746
91.5	27.0	33	14.5	117	29.5	JD	75	01	17	1435	49	198	2.49	25.0	117	40
91.5	28.0	33	12.0	117	34.0	JD	75	01	17	1236	213	715	2.98	25.0	571	303
91.5	29.0	33	10.0	117	38.0	JD	75	01	17	1053	208	673	3.09	25.0	515	444
91.5	30.0	33	07.7	117	42.2	JD	75	01	17	0914	217	640	3.38	25.0	242	354
93.0	26.7	32	57.0	117	17.0	JD	75	01	17	1830	20	95	2.11	100.0	156	131
93.0	26.9	32	56.8	117	18.5	JD	75	01	17	1935	63	214	2.92	25.0	162	10
93.0	28.0	32	54.7	117	22.0	JD	75	01	17	2054	211	687	3.07	25.0	445	442
93.0	29.0	32	52.7	117	26.6	JD	75	01	17	2244	210	664	3.16	25.0	216	148
93.0	30.0	32	50.5	117	31.0	JD	75	01	18	0106	212	644	3.29	25.0	611	389
93.0	35.0	32	40.5	117	51.5	JD	75	01	10	1138	213	692	3.08	25.0	322	713
93.0	40.0	32	30.0	118	11.5	JD	75	01	10	1613	215	742	2.90	25.0	174	887
93.0	45.0	32	20.0	118	32.0	JD	75	01	11	1107	211	726	2.91	25.0	251	636
93.0	50.0	32	10.0	118	52.5	JD	75	01	11	1424	209	706	2.95	25.0	591	327
93.0	55.0	32	00.0	119	13.5	JD	75	01	11	1705	209	726	2.88	25.0	334	444
93.0	60.0	31	50.0	119	34.0	JD	75	01	11	2053	212	677	3.13	100.0	2761	431
93.0	70.0	31	29.4	120	15.9	AX	75	01	23	0333	213	723	2.95	100.0	5119	95
93.0	80.0	31	09.5	120	55.7	AX	75	01	22	2215	229	711	3.08	100.0	238	88
93.0	90.0	30	48.3	121	33.1	AX	75	01	22	1725	212	675	3.24	100.0	111	94
93.0	100.0	30	32.3	122	10.4	AX	75	01	22	1241	225	682	3.15	100.0	35	71
94.0	32.0	32	40.3	117	34.9	AX	75	01	20	1255	216	834	2.60	25.0	55	764
95.0	28.0	32	37.0	117	10.6	JD	75	01	18	1102	14	76	1.83	100.0	146	127
95.0	29.0	32	35.5	117	14.5	JD	75	01	18	0937	36	128	2.79	100.0	1397	58
95.0	30.0	32	33.2	117	18.5	JD	75	01	18	0753	96	305	3.14	100.0	2992	298
95.0	31.0	32	31.2	117	22.7	JD	75	01	18	0620	205	666	3.08	25.0	619	194
95.0	32.0	32	29.0	117	26.9	JD	75	01	18	0430	211	673	3.14	25.0	579	953
97.0	28.8	32	17.8	117	04.0	JD	75	01	20	1702	33	157	2.08	100.0	40	167
97.0	29.0	32	17.5	117	04.7	JD	75	01	20	1726	32	126	2.54	100.0	73	35
97.0	30.0	32	16.0	117	07.0	AX	75	01	20	1802	36	137	2.60	100.0	140	163
97.0	31.0	32	13.0	117	13.0	AX	75	01	20	1851	216	670	3.25	25.0	56	29
97.0	32.0	32	12.0	117	15.2	AX	75	01	20	2052	226	652	3.47	25.0	64	45
97.0	35.0	32	05.7	117	27.4	AX	75	01	20	2328	218	631	3.47	25.0	251	316
97.0	40.0	31	55.4	117	42.6	AX	75	01	21	0310	205	700	2.94	25.0	478	57
97.0	45.0	31	46.0	118	08.5	AX	75	01	21	0546	217	690	3.15	25.0	89	12
97.0	50.0	31	36.1	118	31.5	AX	75	01	21	0924	219	653	3.36	25.0	248	217
97.0	55.0	31	27.8	118	50.5	AX	75	01	21	1143	205	667	3.08	25.0	825	866

TABLE 1. (cont.)

CalCOFI Cruise 7501

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
97.0	60.0	31 18.4	119 10.5	AX	75 01 21	1447	213	616	3.46	25.0	662	3812
97.0	70.0	31 01.8	119 50.9	AX	75 01 21	1956	220	667	3.30	100.0	898	32
97.0	80.0	30 43.8	120 28.7	AX	75 01 22	0057	208	724	2.89	100.0	27	14
97.0	90.0	30 28.0	121 04.5	JD	75 01 22	0514	229	711	3.30	100.0	46	49
100.0	29.0	31 42.2	116 43.5	JD	75 01 19	1908	96	355	2.70	25.0	38	255
100.0	30.0	31 40.5	116 46.5	JD	75 01 19	2048	211	707	2.98	25.0	204	1160
100.0	31.0	31 38.5	116 50.7	JD	75 01 19	2245	212	688	3.08	25.0	440	803
100.0	32.0	31 54.0	116 54.5	JD	75 01 19	2350	209	711	2.94	25.0	107	614
100.0	35.0	31 30.5	117 07.0	JD	75 01 20	0300	211	668	3.15	25.0	107	8
100.0	40.0	31 20.5	117 27.0	JD	75 01 20	0630	203	707	2.87	25.0	228	42
100.0	50.0	31 00.5	118 07.0	JD	75 01 20	1145	216	688	3.13	25.0	788	703
100.0	60.0	30 40.5	118 47.5	JD	75 01 20	1655	209	721	2.89	25.0	23	10
100.0	70.0	30 20.0	119 28.0	JD	75 01 20	2223	209	712	2.93	100.0	86	77
100.0	80.0	30 01.0	120 07.0	JD	75 01 21	0423	211	683	3.09	100.0	69	84
103.0	28.8	31 07.6	116 20.0	JD	75 01 23	1213	14	63	2.21	25.0	0	10
103.0	29.0	31 07.0	116 21.0	JD	75 01 23	1142	19	92	2.09	25.0	57	14
103.0	30.0	31 06.0	116 24.5	JD	75 01 23	1048	64	236	2.70	25.0	103	42
103.0	31.0	31 03.0	116 29.0	JD	75 01 23	0911	97	336	2.66	25.0	92	51
103.0	32.0	31 02.0	116 32.5	JD	75 01 23	0758	211	712	2.96	25.0	133	92
103.0	35.0	30 56.0	116 45.0	JD	75 01 23	0601	210	676	3.11	25.0	133	44
103.0	40.0	30 45.8	117 04.7	JD	75 01 23	0252	213	673	3.17	25.0	2017	99
103.0	45.0	30 36.0	117 24.0	JD	75 01 22	2250	207	714	2.90	25.0	498	567
103.0	50.0	30 24.0	117 42.5	JD	75 01 22	2005	211	742	2.84	25.0	11	31
103.0	60.0	30 05.5	118 24.0	JD	75 01 21	2000	207	752	2.75	25.0	495	215
103.0	70.0	29 46.2	119 04.8	JD	75 01 21	1422	213	676	3.15	100.0	30	56
103.0	80.0	30 29.0	119 42.0	JD	75 01 21	0940	212	714	2.97	100.0	27	67
107.0	30.3	30 29.3	116 04.0	JD	75 01 23	1635	18	126	1.39	100.0	218	231
107.0	30.6	30 28.7	116 05.3	JD	75 01 23	1705	20	89	2.20	100.0	430	149
107.0	31.0	30 27.8	116 07.0	JD	75 01 23	1741	34	155	2.18	100.0	113	1065
107.0	32.0	30 25.8	116 11.0	JD	75 01 23	1855	213	692	3.07	25.0	26	4
107.0	33.0	30 23.9	116 15.1	JD	75 01 23	1953	212	704	3.01	25.0	23	80
107.0	34.0	30 22.0	116 19.0	JD	75 01 23	2052	211	699	3.01	25.0	11	88
107.0	35.0	30 21.5	116 22.5	JD	75 01 23	2240	210	694	3.03	25.0	51	11
107.0	40.0	30 10.6	116 42.3	JD	75 01 24	0306	199	731	2.71	25.0	96	0
107.0	50.0	29 50.0	117 22.0	JD	75 01 24	0800	213	724	2.94	100.0	502	36
107.0	60.0	29 31.3	118 01.5	JD	75 01 24	1302	213	719	2.95	100.0	76	46
107.0	70.0	29 11.0	118 41.0	JD	75 01 24	1806	205	785	2.61	100.0	61	31
107.0	80.0	28 51.0	119 20.0	JD	75 01 24	2256	211	740	2.85	100.0	64	54
110.0	32.1	29 51.2	115 49.7	JD	75 01 26	1028	33	137	2.42	25.0	186	19
110.0	33.0	29 50.0	115 52.0	JD	75 01 26	0945	77	276	2.78	25.0	336	40
110.0	34.0	29 48.0	115 56.0	JD	75 01 26	0845	207	736	2.81	25.0	75	52
110.0	35.0	29 46.0	116 00.0	JD	75 01 26	0732	209	736	2.84	25.0	175	1118
110.0	40.0	29 36.5	116 19.5	JD	75 01 26	0401	205	760	2.70	25.0	184	32
110.0	45.0	29 28.0	116 39.0	JD	75 01 25	2343	213	694	3.07	25.0	79	1
110.0	50.0	29 16.5	116 59.0	JD	75 01 25	2055	211	745	2.83	25.0	49	0

TABLE 1. (cont.)

CalCOFI Cruise 7501

Line	Station	Lat.(N) deg.	Lat.(N) min.	Long.(W) deg.	Long.(W) min.	Ship Code	Tow Date yr.	Tow Date mo.	Tow Date day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
110.0	55.0	29	06.0	117	19.0	JD	75	01	25	1739	206	760	2.70	25.0	364	21
110.0	60.0	28	56.5	117	39.0	JD	75	01	25	1515	213	723	2.94	25.0	13	8
110.0	70.0	28	36.0	118	18.0	JD	75	01	25	1012	211	702	3.00	100.0	49	66
110.0	80.0	28	16.5	118	57.5	JD	75	01	25	0507	209	726	2.88	100.0	123	64
113.0	28.8	29	25.0	115	12.6	JD	75	01	26	1510	14	69	1.99	100.0	11	26
113.0	29.0	29	24.5	115	13.5	JD	75	01	26	1538	21	87	2.38	100.0	25	27
113.0	30.0	29	22.0	115	18.0	JD	75	01	26	1639	57	206	2.75	100.0	48	10
113.0	31.0	29	20.7	115	21.6	JD	75	01	26	1725	75	281	2.67	25.0	372	34
113.0	32.0	29	18.3	115	25.8	JD	75	01	26	1815	98	376	2.59	25.0	120	20
113.0	35.0	29	11.0	115	38.0	JD	75	01	26	2113	212	718	2.95	25.0	365	60
113.0	40.0	29	02.0	115	57.5	JD	75	01	27	0015	214	670	3.20	25.0	87	51
113.0	45.0	28	52.0	116	18.0	JD	75	01	27	0248	211	730	2.89	25.0	83	2
113.0	50.0	28	41.0	116	36.5	JD	75	01	27	0617	211	731	2.89	25.0	27	37
113.0	60.0	28	22.0	117	16.0	JD	75	01	27	1200	210	729	2.88	25.0	11	22
113.0	70.0	28	02.0	117	55.0	JD	75	01	27	1715	211	704	2.99	100.0	36	60
113.0	80.0	27	41.0	118	33.0	JD	75	01	27	2210	212	738	2.88	100.0	124	46
117.0	25.0	28	58.0	114	37.0	JD	75	01	29	1356	42	167	2.49	100.0	172	104
117.0	26.0	28	56.0	114	41.5	JD	75	01	29	1235	70	247	2.82	25.0	27	82
117.0	27.0	28	54.0	114	45.0	JD	75	01	29	1147	79	269	2.91	25.0	95	76
117.0	28.0	28	52.0	114	49.0	JD	75	01	29	1101	82	326	2.50	25.0	29	38
117.0	30.0	28	48.0	114	56.5	JD	75	01	29	0947	91	336	2.72	25.0	654	195
117.0	35.0	28	38.0	115	16.0	JD	75	01	29	0627	195	682	2.86	25.0	53	71
117.0	40.0	28	28.0	115	35.5	JD	75	01	29	0112	213	685	3.11	25.0	115	113
117.0	45.0	28	18.0	115	56.0	JD	75	01	28	2140	213	744	2.86	100.0	750	336
117.0	50.0	28	10.0	116	20.0	JD	75	01	28	1851	213	724	2.93	25.0	577	282
117.0	60.0	27	48.0	116	53.0	JD	75	01	28	1359	211	753	2.81	100.0	31	33
117.0	70.0	27	27.5	117	32.5	JD	75	01	28	0759	210	758	2.77	100.0	44	72
117.0	80.0	27	08.0	118	10.5	JD	75	01	28	0253	212	733	2.90	100.0	67	59
118.0	39.0	28	18.5	115	23.7	JD	75	01	29	0323	213	729	2.91	100.0	87	53
119.0	33.0	28	18.5	114	53.9	JD	75	01	30	0209	106	363	2.91	25.0	1175	777
120.0	22.4	28	28.2	114	04.4	JD	75	01	29	1830	14	85	1.65	100.0	92	393
120.0	22.7	28	27.5	114	05.5	JD	75	01	29	1857	13	73	1.76	100.0	71	417
120.0	23.0	28	26.8	114	06.8	JD	75	01	29	1930	14	72	1.89	100.0	134	576
120.0	24.0	28	25.0	114	11.0	JD	75	01	29	2016	20	103	1.93	100.0	932	1139
120.0	25.0	28	22.5	114	15.0	JD	75	01	29	2100	47	190	2.47	100.0	1355	635
120.0	26.0	28	21.0	114	18.0	JD	75	01	29	2144	67	265	2.52	100.0	1279	439
120.0	30.0	28	13.0	114	34.0	JD	75	01	29	2345	84	306	2.73	25.0	1632	219
120.0	35.0	28	03.0	114	54.0	JD	75	01	30	0435	74	268	2.76	100.0	271	63
120.0	40.0	27	56.5	115	14.0	JD	75	01	30	0650	34	157	2.16	100.0	270	328
120.0	45.0	27	43.0	115	33.0	JD	75	01	30	1042	214	737	2.90	100.0	162	36
120.0	50.0	27	33.0	115	52.7	JD	75	01	30	1408	213	749	2.84	100.0	292	35
120.0	60.0	27	13.0	116	30.0	JD	75	01	30	1854	211	707	2.99	25.0	5	32
120.0	70.0	26	53.0	117	10.0	JD	75	01	30	2358	214	740	2.88	100.0	78	51
120.0	80.0	26	33.0	117	49.0	JD	75	01	31	0453	212	766	2.76	100.0	64	142
123.0	35.7	27	26.5	114	35.2	JD	75	02	01	0609	23	131	1.77	100.0	16	2

TABLE 1. (cont.)

CalCOFI Cruise 7501

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
123.0	36.0	27	26.2	114	36.0	JD	75	02	01	0532	41	232	1.77	100.0	141	26
123.0	37.0	27	24.0	114	40.0	JD	75	02	01	0446	64	248	2.57	100.0	158	1
123.0	38.0	27	22.0	114	45.0	JD	75	02	01	0328	72	274	2.62	25.0	42	2
123.0	39.0	27	20.1	114	48.3	JD	75	02	01	0236	100	367	2.73	25.0	34	4
123.0	42.0	27	15.4	115	00.9	JD	75	02	01	0050	214	710	3.01	25.0	23	443
123.0	45.0	27	08.0	115	11.5	JD	75	01	31	2249	212	733	2.88	25.0	58	67
123.0	50.0	26	56.5	115	31.0	JD	75	01	31	2005	212	744	2.85	25.0	38	5
123.0	60.0	26	39.5	116	09.2	JD	75	01	31	1509	221	713	3.10	25.0	6	11
127.0	32.6	26	58.0	114	01.0	JD	75	02	01	1027	22	109	1.99	100.0	24	495
127.0	33.0	26	57.5	114	02.0	JD	75	02	01	1059	56	224	2.48	100.0	24	7643
127.0	34.0	26	55.0	114	06.5	JD	75	02	01	1207	78	298	2.61	100.0	26	780
127.0	35.0	26	53.0	114	10.6	JD	75	02	01	1253	86	322	2.66	100.0	55	220
127.0	36.0	26	50.8	114	14.6	JD	75	02	01	1353	214	725	2.95	25.0	30	25
127.0	40.0	26	48.3	114	29.6	JD	75	02	01	1623	214	731	2.93	25.0	30	66
127.0	45.0	26	33.0	114	48.0	JD	75	02	01	1904	211	713	2.96	25.0	18	22
127.0	50.0	26	23.0	115	00.0	JD	75	02	01	2320	214	739	2.90	25.0	107	13
127.0	60.0	26	03.7	115	46.3	JD	75	02	02	0416	211	753	2.80	25.0	37	6
130.0	25.6	26	37.7	113	12.0	JD	75	02	03	0513	14	110	1.27	100.0	60	387
130.0	26.0	26	37.0	113	14.0	JD	75	02	03	0440	28	152	1.86	100.0	96	311
130.0	27.0	26	35.1	113	17.2	JD	75	02	03	0351	43	165	2.58	100.0	44	291
130.0	28.0	26	33.2	113	21.3	JD	75	02	03	0256	50	197	2.53	100.0	42	987
130.0	29.0	26	31.2	113	25.2	JD	75	02	03	0133	65	245	2.64	100.0	23	69
130.0	30.0	26	29.0	113	29.0	JD	75	02	03	0047	71	265	2.68	100.0	43	402
130.0	35.0	26	19.0	113	48.0	JD	75	02	02	2213	212	718	2.95	25.0	15	33
130.0	40.0	26	09.0	114	06.5	JD	75	02	02	1941	212	719	2.95	25.0	103	18
130.0	50.0	25	49.0	114	45.8	JD	75	02	02	1408	213	715	2.98	25.0	24	4
130.0	60.0	25	30.0	115	21.0	JD	75	02	02	0924	209	741	2.82	100.0	17	14
133.0	20.6	26	13.3	112	31.0	JD	75	02	03	0946	14	68	2.08	100.0	17	475
133.0	21.0	26	12.5	112	32.5	JD	75	02	03	1024	43	168	2.52	100.0	17	871
133.0	22.0	26	10.5	112	36.5	JD	75	02	03	1115	56	221	2.51	100.0	61	1204
133.0	23.0	26	08.5	112	40.0	JD	75	02	03	1204	64	235	2.72	100.0	1	457
133.0	24.0	26	06.5	112	44.3	JD	75	02	03	1251	71	262	2.71	100.0	11	618
133.0	25.0	26	04.5	112	48.0	JD	75	02	03	1351	72	257	2.78	100.0	23	202
133.0	30.0	25	54.4	113	07.4	JD	75	02	03	1628	207	742	2.79	100.0	24	233
133.0	35.0	25	44.0	113	26.0	JD	75	02	03	1855	208	747	2.78	100.0	16	102
133.0	40.0	25	34.5	113	45.5	JD	75	02	03	2247	207	736	2.81	25.0	13	53
133.0	50.0	25	14.4	113	23.8	JD	75	02	04	0406	211	741	2.85	100.0	40	52
133.0	60.0	24	54.5	115	02.0	JD	75	02	04	0903	207	760	2.72	100.0	22	13
137.0	20.7	25	38.5	112	10.0	JD	75	02	06	0915	15	64	2.27	100.0	132	490
137.0	22.0	25	36.0	112	15.0	JD	75	02	06	0825	42	162	2.56	100.0	708	3347
137.0	23.0	25	34.0	112	19.0	JD	75	02	06	0736	68	267	2.55	100.0	3254	10770
137.0	24.0	25	32.0	112	23.0	JD	75	02	06	0632	75	290	2.60	100.0	1260	2395
137.0	30.0	25	20.0	112	45.7	JD	75	02	06	0343	214	650	3.29	100.0	581	4497
137.0	35.0	25	10.0	113	04.5	JD	75	02	06	0030	211	696	3.03	100.0	30	71
137.0	40.0	25	00.0	113	23.5	JD	75	02	05	2144	213	726	2.93	100.0	11	336
137.0	50.0	24	40.0	114	02.5	JD	75	02	04	1918	212	737	2.87	100.0	31	23
137.0	60.0	24	20.0	114	39.1	JD	75	02	04	1414	212	724	2.93	100.0	53	32

TABLE 1. (cont.)

CalCOFI Cruise 7503

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	65.0	37 27.0	124 01.4	AX	75 03 02	0939	197	778	2.54	25.0	17	43
60.0	70.0	37 17.0	124 20.0	AX	75 03 02	0710	214	756	2.82	25.0	35	55
60.0	80.0	36 57.0	125 03.8	AX	75 03 02	0132	226	717	3.15	25.0	3	24
60.0	90.0	36 37.0	125 47.1	AX	75 03 01	2012	197	952	2.07	100.0	16	10
63.0	50.0	37 23.3	122 27.8	AX	75 02 28	1424	18	110	1.65	100.0	1	55
63.0	52.0	37 19.0	122 36.0	AX	75 02 28	1540	70	287	2.45	25.0	74	65
63.0	55.0	37 13.0	122 50.0	AX	75 02 28	1724	212	783	2.71	25.0	43	6
63.0	60.0	37 02.4	123 11.1	AX	75 02 28	2054	192	768	2.50	25.0	12	32
63.0	65.0	36 53.0	123 31.0	AX	75 02 28	2318	199	820	2.43	25.0	14	3
63.0	70.0	36 44.0	123 55.0	AX	75 03 01	0337	211	838	2.52	25.0	15	9
63.0	80.0	36 23.0	124 36.1	AX	75 03 01	0901	188	829	2.27	25.0	15	112
63.0	90.0	36 03.0	125 20.0	AX	75 03 01	1435	220	742	2.96	100.0	35	72
66.0	49.0	36 53.7	122 01.7	AX	75 02 28	1026	28	174	1.60	100.0	32	219
67.0	50.0	36 49.0	122 04.4	AX	75 02 28	0938	77	352	2.18	25.0	50	8
67.0	55.0	36 37.8	122 27.0	AX	75 02 28	0640	215	710	3.03	25.0	54	80
67.0	60.0	36 29.0	122 47.3	AX	75 02 28	0237	214	738	2.90	25.0	28	25
67.0	65.0	36 18.0	123 08.5	AX	75 02 27	2315	197	838	2.35	25.0	41	8
67.0	70.0	36 08.1	123 29.5	AX	75 02 27	2050	195	794	2.45	25.0	26	3
67.0	80.0	35 47.5	124 11.5	AX	75 02 27	1537	213	750	2.84	25.0	18	7
67.0	90.0	35 27.9	124 55.5	AX	75 02 27	1015	205	720	2.85	100.0	27	60
70.0	51.0	36 11.4	121 43.7	AX	75 02 26	0506	69	242	2.85	25.0	12	5
70.0	53.0	36 06.6	121 53.7	AX	75 02 26	0704	205	795	2.58	25.0	59	45
70.0	60.0	35 53.0	122 23.0	AX	75 02 26	1112	198	801	2.47	25.0	42	103
70.0	65.0	35 44.0	122 44.0	AX	75 02 26	1400	220	716	3.08	25.0	29	55
70.0	70.0	35 30.2	123 09.1	AX	75 02 26	1725	205	790	2.60	25.0	29	25
70.0	80.0	35 14.1	123 47.0	AX	75 02 26	2240	203	765	2.65	25.0	27	2
70.0	90.0	34 52.3	124 29.5	AX	75 02 27	0423	207	718	2.88	100.0	41	25
73.0	50.0	35 37.0	121 17.0	JD	75 02 28	2341	90	366	2.45	25.0	35	3
73.0	53.0	35 31.5	121 28.5	JD	75 03 01	0226	213	736	2.90	25.0	18	5
73.0	60.0	35 17.5	121 58.0	JD	75 03 01	0657	202	810	2.50	25.0	58	132
73.0	65.0	35 08.0	122 19.0	JD	75 03 01	0938	208	761	2.73	25.0	5	5
73.0	70.0	34 58.7	122 39.6	JD	75 03 01	1319	211	765	2.76	25.0	7	3
73.0	80.0	34 38.0	123 22.0	JD	75 03 01	1852	210	771	2.72	25.0	11	4
73.0	90.0	34 18.5	124 04.0	JD	75 03 02	0212	214	771	2.78	25.0	3	8
77.0	48.0	35 08.3	120 43.7	JD	75 03 03	0900	21	94	2.24	25.0	13	308
77.0	51.0	35 02.0	120 56.5	JD	75 03 03	0652	212	764	2.77	25.0	39	26
77.0	55.0	34 54.5	121 13.0	JD	75 03 03	0344	209	725	2.88	25.0	24	4
77.0	60.0	34 44.0	121 34.0	JD	75 03 02	2334	211	751	2.81	25.0	38	11
77.0	65.0	34 34.0	121 55.0	JD	75 03 02	1952	212	741	2.86	25.0	16	1
77.0	70.0	34 24.0	122 16.0	JD	75 03 02	1714	212	741	2.72	25.0	8	21
77.0	80.0	34 04.0	122 57.0	JD	75 03 02	1215	211	743	2.83	25.0	7	7
77.0	90.0	33 40.0	123 39.0	JD	75 03 02	0707	212	724	2.92	100.0	94	60
80.0	50.1	34 27.8	120 29.5	JD	75 03 03	1505	27	93	2.85	25.0	15	5
80.0	51.0	34 26.0	120 32.5	JD	75 03 03	1556	93	365	2.55	25.0	5	0

TABLE 1. (cont.)

CalCOFI Cruise 7503

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
80.0	52.0	34	24.8	120	35.8	JD	75	03	03	1706	130	728	2.75	25.0	32	14
80.0	53.0	34	22.6	120	40.0	JD	75	03	03	1816	250	0	2.75	25.0	26	6
80.0	54.0	34	20.9	120	44.1	JD	75	03	03	1917	360	0	2.86	25.0	19	2
80.0	55.0	34	19.0	120	48.0	JD	75	03	03	2113	415	703	2.92	25.0	23	15
80.0	60.0	34	09.0	121	09.0	JD	75	03	04	0016	1200	705	2.90	25.0	16	15
80.0	70.0	33	48.5	121	51.0	JD	75	03	04	0643	2000	0	2.67	25.0	38	6
80.0	80.0	32	28.7	122	32.0	JD	75	03	04	1156	2200	0	2.91	25.0	3	16
80.0	90.0	33	09.0	123	13.0	JD	75	03	04	1753	213	715	2.98	100.0	58	66
81.5	43.5	34	24.1	119	47.8	JD	75	03	05	1336	27	121	2.23	25.0	76	272
81.5	44.0	34	23.1	119	49.9	JD	75	03	06	1505	50	174	2.88	25.0	76	387
81.5	44.5	34	22.1	119	52.0	JD	75	03	06	1816	69	255	2.69	25.0	36	126
81.5	45.0	34	21.1	119	54.0	JD	75	03	06	1947	198	744	2.65	25.0	104	115
81.5	46.0	34	19.2	119	58.2	JD	75	03	06	2200	210	636	3.30	25.0	149	480
81.5	47.0	34	17.1	120	02.5	JD	75	03	06	2340	216	677	3.19	25.0	78	280
83.0	39.4	34	14.7	119	19.4	JD	75	03	07	1050	14	66	2.10	25.0	100	890
83.0	40.6	34	12.5	119	24.2	JD	75	03	07	0950	34	139	2.48	25.0	123	257
83.0	41.0	34	11.5	119	26.0	JD	75	03	07	2159	50	164	3.03	25.0	150	39
83.0	42.0	34	09.6	119	30.0	JD	75	03	07	2042	191	731	2.61	25.0	29	67
83.0	43.0	34	08.0	119	34.0	JD	75	03	07	0622	212	547	3.88	25.0	168	47
83.0	44.0	34	05.6	119	38.2	JD	75	03	07	0453	151	418	3.60	25.0	191	49
83.0	44.7	34	04.2	119	41.2	JD	75	03	07	0353	79	291	2.72	25.0	48	46
83.0	45.0	34	03.6	119	42.5	JD	75	03	07	0259	79	248	3.20	25.0	104	49
83.0	48.0	33	58.0	119	55.0	JD	75	03	05	2254	104	377	2.75	25.0	189	18
83.0	49.0	33	55.6	119	59.1	JD	75	03	05	2151	22	91	2.38	25.0	42	0
83.0	50.0	33	54.0	120	05.0	JD	75	03	05	2038	22	87	2.48	100.0	544	7
83.0	51.0	33	52.0	120	08.5	JD	75	03	05	1947	89	371	2.41	25.0	232	5
83.0	55.0	33	44.0	120	24.5	JD	75	03	05	1704	202	767	2.64	25.0	37	66
83.0	60.0	33	34.0	120	45.0	JD	75	03	05	1354	209	690	3.03	25.0	26	68
83.0	70.0	33	15.0	121	26.0	JD	75	03	05	0900	203	718	2.84	25.0	5	49
83.0	80.0	32	54.0	122	07.0	JD	75	03	05	0302	215	678	3.16	100.0	50	34
83.0	90.0	32	34.5	122	50.0	JD	75	03	04	2213	207	713	2.90	100.0	53	191
85.0	37.2	34	02.6	118	58.6	JD	75	03	07	1855	27	98	2.76	25.0	113	22
85.0	37.5	34	02.1	118	59.7	JD	75	03	07	1819	42	200	2.10	25.0	396	18
85.0	38.0	34	01.0	119	02.5	JD	75	03	07	1704	211	642	3.28	25.0	470	28
85.0	39.0	33	59.0	119	06.3	JD	75	03	07	1508	219	705	3.10	25.0	279	71
85.0	40.0	33	57.0	119	10.5	JD	75	03	07	1330	216	706	3.06	25.0	132	327
87.0	32.5	33	55.0	118	27.0	JD	75	03	07	2240	15	73	2.01	25.0	153	25
87.0	32.7	33	54.5	118	28.0	JD	75	03	08	0019	22	83	2.57	25.0	280	40
87.0	33.0	33	53.9	118	29.0	JD	75	03	08	0214	43	159	2.71	25.0	298	46
87.0	34.0	33	52.0	118	33.2	JD	75	03	08	0354	60	248	2.42	25.0	468	124
87.0	35.0	33	50.0	118	37.5	JD	75	03	08	0515	197	692	2.85	25.0	90	547
87.0	36.0	33	47.2	118	43.3	JD	75	03	08	0750	211	647	3.26	25.0	209	483
87.0	40.0	33	40.0	118	58.0	JD	75	03	08	1105	212	67	3.18	25.0	375	495
87.0	45.0	33	30.0	119	19.0	JD	75	03	08	1404	215	676	3.18	25.0	88	116
87.0	50.0	33	20.0	119	39.5	JD	75	03	08	1850	63	293	2.15	25.0	190	5

TABLE 1. (cont.)

CalCOFI Cruise 7503

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
87.0	55.0	33	10.0	120	00.0	JD	75	03	08	2124	202	754	2.68	25.0	31	41
87.0	60.0	33	00.0	120	21.5	JD	75	03	09	0133	215	679	3.17	25.0	21	1061
87.0	70.0	32	39.5	121	02.0	JD	75	03	09	0716	219	686	3.19	100.0	161	295
87.0	80.0	32	19.5	121	43.0	JD	75	03	09	1230	217	738	2.93	100.0	7	17
87.0	90.0	31	59.0	122	24.0	JD	75	03	09	1751	210	744	2.83	100.0	35	126500
88.5	30.4	33	41.4	118	07.1	JD	75	03	12	1451	15	54	2.70	100.0	298	3570
88.5	31.0	33	40.3	118	09.5	JD	75	03	12	1349	18	72	2.42	100.0	394	3826
88.5	32.0	33	38.3	118	13.5	JD	75	03	11	1231	35	142	2.50	25.0	115	303
88.5	33.0	33	36.3	118	17.6	JD	75	03	11	1122	174	539	3.23	25.0	377	42
88.5	34.0	33	34.3	118	21.8	JD	75	03	11	0935	209	645	3.25	25.0	199	184
90.0	27.6	33	29.3	117	45.5	JD	75	03	12	1832	29	134	2.16	100.0	1008	1443
90.0	28.0	33	28.5	117	46.5	JD	75	03	12	2150	209	599	3.48	25.0	72	169
90.0	29.0	33	27.0	117	49.5	JD	75	03	12	2350	210	801	2.63	25.0	792	496
90.0	30.0	33	25.0	117	53.5	JD	75	03	13	0130	214	621	3.45	25.0	630	474
90.0	31.0	33	23.0	117	57.7	JD	75	03	13	0325	214	614	3.48	25.0	1046	329
90.0	32.0	33	20.5	118	03.0	JD	75	03	13	0531	200	644	3.11	25.0	423	727
90.0	37.0	33	11.0	118	22.5	JD	75	03	11	0530	214	617	3.47	25.0	489	1071
90.0	45.0	32	54.5	118	55.5	JD	75	03	10	2359	211	617	3.42	25.0	248	282
90.0	53.0	32	39.0	119	28.5	JD	75	03	10	1916	214	638	3.35	25.0	37	305
90.0	60.0	32	25.0	119	57.5	JD	75	03	10	1511	214	628	3.42	100.0	213	865
90.0	70.0	32	04.5	120	38.5	JD	75	03	10	0946	219	594	3.68	100.0	355	905
90.0	80.0	31	44.5	121	19.5	JD	75	03	10	0500	214	671	3.18	100.0	20	33
90.0	90.0	31	24.0	122	01.0	JD	75	03	09	2242	213	684	3.11	100.0	39	233
91.5	26.5	33	14.7	117	27.7	JD	75	03	13	1500	13	61	2.16	100.0	779	416
91.5	27.0	33	11.7	117	34.0	JD	75	03	13	1401	50	172	2.91	25.0	140	118
91.5	28.0	33	11.7	117	34.0	JD	75	03	13	1248	213	654	3.26	25.0	399	90
91.5	29.0	33	09.7	117	38.1	JD	75	03	13	1107	213	657	3.25	25.0	538	462
91.5	30.0	33	07.7	117	42.2	JD	75	03	13	0926	215	604	3.55	25.0	520	1595
93.0	26.7	32	57.2	117	17.4	JD	75	03	13	1758	28	196	1.45	25.0	204	54
93.0	26.9	32	56.8	117	18.3	JD	75	03	13	1919	55	264	2.07	25.0	473	84
93.0	28.0	32	54.7	117	21.8	JD	75	03	13	2107	204	619	3.30	25.0	839	1328
93.0	29.0	32	52.7	117	26.6	JD	75	03	13	2240	211	618	3.42	25.0	549	1078
93.0	30.0	32	50.5	117	31.0	JD	75	03	14	0034	214	743	2.88	25.0	73	315
93.0	35.0	32	40.5	117	51.5	JD	75	03	14	0343	218	625	3.48	25.0	381	1119
93.0	40.0	32	30.0	118	11.5	JD	75	03	14	0700	211	652	3.23	25.0	299	631
93.0	45.0	32	20.0	118	32.0	JD	75	03	14	0944	193	774	2.50	25.0	557	496
93.0	50.0	32	10.0	118	52.5	JD	75	03	14	1258	218	608	3.58	25.0	93	736
93.0	55.0	32	00.2	119	13.5	JD	75	03	14	1539	211	627	3.36	25.0	42	660
93.0	60.0	31	50.0	119	34.0	JD	75	03	14	1854	205	673	3.04	100.0	659	401
93.0	70.0	31	30.0	120	14.0	JD	75	03	15	0123	218	627	3.47	100.0	51	138
93.0	80.0	31	10.0	120	54.5	JD	75	03	15	0635	206	638	3.23	100.0	1266	53
95.0	28.0	32	37.2	117	10.6	JD	75	03	17	0336	13	68	1.93	25.0	136	346
95.0	29.0	32	35.2	117	14.5	JD	75	03	17	0231	36	128	2.79	25.0	257	265
95.0	30.0	32	33.2	117	18.5	JD	75	03	17	0122	93	282	3.31	25.0	366	469
95.0	31.0	32	31.2	117	22.7	JD	75	03	16	2340	214	621	3.44	25.0	379	932

TABLE 1. (cont.)

CalCOFI Cruise 7503

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
95.0	32.0	32	29.2	117	26.9	JD	75	03	16	2214	209	603	3.47	25.0	354	1224
97.0	28.8	32	17.8	117	04.0	JD	75	03	16	1844	27	93	2.95	25.0	103	84
97.0	29.0	32	17.5	117	04.7	JD	75	03	16	1812	45	136	3.29	25.0	149	75
97.0	30.0	32	16.0	117	07.0	JD	75	03	16	1729	50	174	2.87	25.0	299	169
97.0	31.0	32	13.5	117	13.0	JD	75	03	16	1613	212	621	3.41	25.0	326	1253
97.0	32.0	32	12.0	117	15.2	JD	75	03	16	1521	214	592	3.61	25.0	131	1198
97.0	35.0	32	05.5	117	27.5	JD	75	03	16	1305	213	649	3.29	100.0	342	62
97.0	40.0	31	56.0	117	48.0	JD	75	03	16	1016	211	627	3.36	100.0	1654	419
97.0	45.0	31	46.0	118	08.5	JD	75	03	16	0757	201	637	3.15	25.0	501	497
97.0	50.0	31	36.0	118	30.5	JD	75	03	16	0412	206	612	3.37	25.0	297	98
97.0	55.0	31	25.5	118	49.5	JD	75	03	16	0017	214	599	3.57	25.0	525	190
97.0	60.0	31	15.5	119	10.0	JD	75	03	15	2154	212	649	3.26	25.0	295	45
97.0	70.0	30	55.0	119	50.5	JD	75	03	15	1626	212	646	3.27	100.0	386	295
97.0	80.0	30	35.0	120	31.0	JD	75	03	15	1140	203	641	3.17	100.0	714	337
100.0	29.0	31	42.2	116	43.4	JD	75	03	18	1747	91	309	2.96	25.0	227	24
100.0	30.0	31	40.5	116	46.5	JD	75	03	18	1907	209	627	3.34	25.0	179	108
100.0	31.0	31	38.5	116	50.7	JD	75	03	18	2003	76	268	2.84	25.0	659	154
100.0	32.0	31	36.7	116	45.8	JD	75	03	18	2049	213	655	3.25	25.0	414	340
100.0	35.0	31	30.5	117	07.0	JD	75	03	18	2314	212	662	3.21	25.0	391	1320
100.0	40.0	31	21.0	117	27.0	JD	75	03	19	0255	215	616	3.50	25.0	468	2208
100.0	50.0	31	00.0	118	00.0	JD	75	03	19	0802	210	611	3.43	25.0	81	7622
100.0	60.0	30	40.5	118	47.5	JD	75	03	19	1321	216	571	3.78	25.0	16	28
100.0	70.0	30	20.5	119	27.5	JD	75	03	19	2005	217	587	3.69	100.0	613	213
100.0	80.0	30	00.0	120	07.0	JD	75	03	20	0119	216	568	3.80	100.0	298	233
103.0	28.8	31	07.6	116	20.0	JD	75	03	21	1140	13	63	2.10	25.0	40	10
103.0	29.0	31	07.0	116	21.0	JD	75	03	21	1105	28	102	2.73	25.0	47	10
103.0	30.0	31	06.0	116	24.5	JD	75	03	21	0928	49	167	2.92	25.0	185	7
103.0	31.0	31	03.2	116	29.0	JD	75	03	21	0811	83	286	2.91	25.0	313	9
103.0	32.0	31	02.0	116	32.5	JD	75	03	21	0701	83	286	2.93	25.0	293	585
103.0	35.0	30	56.0	116	45.0	JD	75	03	21	0503	209	653	3.20	25.0	190	1402
103.0	40.0	30	46.0	117	04.5	JD	75	03	21	0130	219	644	3.39	25.0	53	108
103.0	45.0	30	36.0	117	24.0	JD	75	03	20	2036	210	653	3.22	25.0	289	194
103.0	50.0	30	26.0	117	44.5	JD	75	03	20	1811	215	595	3.61	25.0	69	65
103.0	60.0	30	60.0	118	25.0	JD	75	03	20	1307	216	631	3.43	25.0	6	21
103.0	70.0	29	46.5	119	04.0	JD	75	03	20	0750	222	647	3.42	100.0	26	259
110.0	32.4	29	51.5	115	50.0	JD	75	03	21	1929	36	116	3.07	25.0	60	27
110.0	33.0	29	50.0	117	52.0	JD	75	03	21	2002	65	278	2.33	25.0	122	67
110.0	34.0	29	48.0	115	56.0	JD	75	03	21	2046	210	611	3.44	100.0	1450	594
110.0	35.0	29	46.0	116	00.0	JD	75	03	21	2235	209	618	3.39	25.0	532	79
110.0	40.0	29	36.5	116	19.5	JD	75	03	22	0135	218	611	3.57	25.0	111	11
110.0	45.0	29	27.0	116	40.0	JD	75	03	22	0413	210	619	3.39	25.0	324	7
110.0	50.0	29	16.5	116	59.0	JD	75	03	22	0819	213	627	3.40	25.0	83	3
110.0	55.0	29	06.5	117	19.0	JD	75	03	22	1046	212	623	3.40	100.0	11	3
110.0	60.0	29	56.5	117	39.0	JD	75	03	22	1358	217	654	3.32	25.0	6	4
113.0	28.8	29	25.0	115	12.6	JD	75	03	23	1605	14	66	2.16	100.0	6	29

TABLE 1. (cont.)

CalCOFI Cruise 7503

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
113.0	29.0	29 24.5	115 13.5	JD	75 03 23	1541	21	84	2.53	25.0	10	4
113.0	30.0	29 22.0	115 18.0	JD	75 03 23	1458	52	187	2.76	25.0	218	24
113.0	31.0	29 20.7	115 21.6	JD	75 03 23	1408	72	222	3.26	25.0	99	15
113.0	32.0	29 18.7	115 25.5	JD	75 03 23	1315	100	321	3.11	100.0	1641	189
113.0	35.0	29 11.5	115 38.0	JD	75 03 23	1114	209	639	3.27	100.0	323	3568
113.0	40.0	29 02.0	115 57.0	JD	75 03 23	0631	206	598	3.44	25.0	127	1388
113.0	45.0	28 52.0	116 17.0	JD	75 03 23	0310	220	581	3.79	25.0	78	23
113.0	50.0	28 41.5	116 36.5	JD	75 03 23	0039	219	584	3.75	25.0	189	11
113.0	60.0	28 22.0	111 16.0	JD	75 03 22	1913	208	630	3.30	25.0	65	220
113.0	70.0	28 02.0	117 55.0	JD	75 03 28	0418	212	521	4.07	100.0	5	48
119.0	33.0	28 19.0	114 53.0	JD	75 03 24	0800	59	0	3.11	25.0	1478	41
120.0	22.4	28 28.0	114 04.6	JD	75 03 23	2353	15	60	2.45	100.0	8	28
120.0	22.7	28 27.5	114 05.5	JD	75 03 24	0029	14	76	1.77	25.0	10	44
120.0	23.0	28 27.5	114 05.5	JD	75 03 24	0102	14	58	2.36	25.0	16	36
120.0	24.0	28 25.0	114 10.7	JD	75 03 24	0148	28	106	2.64	25.0	57	538
120.0	25.0	28 22.5	114 15.0	JD	75 03 29	0239	35	116	3.02	25.0	78	957
120.0	26.0	28 21.0	114 18.3	JD	75 03 24	0322	28	102	2.75	25.0	152	6095
120.0	30.0	28 13.0	114 34.0	JD	75 03 24	0528	82	280	2.94	25.0	286	692
120.0	35.0	28 03.0	114 54.0	JD	75 03 24	1015	76	240	3.18	25.0	80	208
120.0	40.0	27 56.5	115 14.0	JD	75 03 24	1216	35	249	1.40	100.0	1820	1055
120.0	45.0	27 43.0	115 33.0	JD	75 03 24	1614	212	664	3.19	25.0	22	1157
120.0	50.0	27 33.0	115 52.5	JD	75 03 24	1930	207	636	3.26	25.0	418	1433
120.0	60.0	27 13.0	116 30.5	JD	75 03 25	0015	214	612	3.49	25.0	65	208
120.0	70.0	26 53.0	117 10.0	JD	75 03 27	1817	207	652	3.17	100.0	65	41
123.0	35.7	27 26.5	114 35.2	JD	75 03 25	2038	20	82	2.47	100.0	20	0
123.0	36.0	27 26.2	114 36.0	JD	75 03 25	2014	35	123	2.85	25.0	10	0
123.0	37.0	27 24.0	114 40.0	JD	75 03 25	1926	58	187	3.08	25.0	13	0
123.0	38.0	27 22.0	114 45.0	JD	75 03 25	1825	79	220	3.58	25.0	5	3
123.0	39.0	27 20.2	114 47.8	JD	75 03 25	1731	103	327	3.15	25.0	115	121
123.0	42.0	27 14.0	114 59.0	JD	75 03 25	1532	211	621	3.40	25.0	203	2784
123.0	45.0	27 08.0	115 11.5	JD	75 03 25	1345	191	623	3.06	25.0	562	1440
123.0	50.0	26 58.0	115 31.0	JD	75 03 25	1105	212	574	3.69	25.0	421	67
123.0	60.0	26 38.5	116 09.0	JD	75 03 25	0531	213	615	3.46	25.0	298	144
130.0	25.6	26 37.7	113 11.7	JD	75 03 26	0542	13	74	1.70	100.0	16	57
130.0	26.0	26 37.0	113 13.1	JD	75 03 26	0617	20	98	2.02	100.0	34	666
130.0	27.0	26 35.0	113 17.0	JD	75 03 26	0659	35	132	2.62	100.0	66	10409
130.0	28.0	26 33.0	113 21.0	JD	75 03 26	0826	49	165	2.98	25.0	36	496
130.0	29.0	26 30.5	113 26.0	JD	75 03 26	0917	62	208	3.00	25.0	343	103
130.0	30.0	26 29.0	113 29.0	JD	75 03 26	1008	68	244	2.78	25.0	71	148
130.0	35.0	26 19.0	113 48.0	JD	75 03 26	1227	214	614	3.49	25.0	211	594
130.0	40.0	26 09.0	114 07.0	JD	75 03 26	1616	214	565	3.78	25.0	239	43
130.0	50.0	25 49.0	114 45.0	JD	75 03 26	2206	202	648	3.12	25.0	29	9
130.0	60.0	25 29.0	115 24.0	JD	75 03 27	0319	212	624	3.40	100.0	320	5633

TABLE 1. (cont.)

CalCOFI Cruise 7505

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
70.0	51.0	36 11.3	121 43.9	JD	75 05 09	1754	98	348	2.80	100.0	13	3
70.0	53.0	36 06.5	121 54.0	JD	75 05 09	2020	212	732	2.89	25.0	8	2
70.0	60.0	35 53.0	122 23.0	JD	75 05 10	0038	213	679	3.13	25.0	7	5
70.0	70.0	35 33.0	123 06.0	JD	75 05 10	0550	209	696	3.00	25.0	9	7
70.0	80.0	35 13.0	123 48.0	JD	75 05 10	1053	212	742	2.85	25.0	4	90
70.0	90.0	34 53.0	124 30.0	JD	75 05 10	1630	214	718	2.97	100.0	35	19
73.0	50.0	35 37.0	121 17.0	JD	75 05 11	1936	84	312	2.70	100.0	7	2
73.0	53.0	35 31.5	121 28.5	JD	75 05 11	1745	214	679	3.15	100.0	21	11
73.0	60.0	35 17.8	121 57.5	JD	75 05 11	1400	214	713	3.00	25.0	6	9
73.0	65.0	35 08.0	122 19.0	JD	75 05 11	1008	182	766	2.36	25.0	6	3
73.0	70.0	34 58.0	122 40.0	JD	75 05 11	0734	212	657	3.23	25.0	6	52
73.0	80.0	34 38.0	123 22.0	JD	75 05 11	0234	218	699	3.12	25.0	26	13
73.0	90.0	34 18.5	124 04.0	JD	75 05 10	2137	211	675	3.12	100.0	49	108
77.0	48.0	35 08.3	120 43.7	JD	75 05 11	2335	20	94	2.13	100.0	19	24
77.0	51.0	35 01.0	120 56.5	JD	75 05 12	0135	214	699	3.06	25.0	22	3
77.0	55.0	34 54.3	121 13.6	JD	75 05 12	0458	201	681	2.95	25.0	22	2
77.0	60.0	34 45.0	121 33.0	JD	75 05 12	0706	206	677	3.04	25.0	10	28
77.0	65.0	34 34.0	121 55.0	JD	75 05 12	0951	201	719	2.79	25.0	5	13
77.0	70.0	34 23.5	122 16.0	JD	75 05 12	1349	216	684	3.16	25.0	6	9
77.0	80.0	34 04.0	122 57.0	JD	75 05 12	1826	207	607	3.41	25.0	5	1
77.0	90.0	34 43.0	123 39.0	JD	75 05 12	2333	217	718	3.02	100.0	58	76
80.0	50.1	34 27.7	120 30.0	JD	75 05 14	0454	217	217	2.23	100.0	5	4
80.0	51.0	34 26.6	120 33.5	JD	75 05 14	0405	99	390	2.53	25.0	2	3
80.0	52.0	34 24.9	120 35.6	JD	75 05 14	0308	215	740	2.90	25.0	3	5
80.0	53.0	34 23.1	120 40.5	JD	75 05 14	0143	213	720	2.95	25.0	3	3
80.0	54.0	34 20.6	120 43.3	JD	75 05 14	0041	212	727	2.91	25.0	6	0
80.0	55.0	34 19.0	120 48.0	JD	75 05 13	2335	219	673	3.25	25.0	2	1
80.0	60.0	34 09.0	121 09.0	JD	75 05 13	2013	211	695	3.04	25.0	13	10
80.0	70.0	33 48.5	121 51.0	JD	75 05 13	1505	215	662	3.24	25.0	6	22
80.0	80.0	33 29.0	122 32.0	JD	75 05 13	0941	207	744	2.78	25.0	2	7
80.0	90.0	33 07.0	123 14.0	JD	75 05 13	0445	208	728	2.86	100.0	74	58
81.5	43.5	34 24.1	119 47.8	JD	75 05 15	1636	29	107	2.68	100.0	22	113
81.5	44.0	34 23.1	119 49.9	JD	75 05 15	1528	50	170	2.93	100.0	7	94
81.5	44.5	34 21.1	119 52.0	JD	75 05 15	1353	65	251	2.61	100.0	5	7
81.5	45.0	34 21.0	119 54.0	JD	75 05 15	1220	211	714	2.96	100.0	7	9
81.5	46.0	34 19.0	119 58.0	JD	75 05 15	0958	208	754	2.76	25.0	3	5
81.5	47.0	34 17.0	120 02.5	JD	75 05 15	0755	209	711	2.94	25.0	0	0
83.0	39.4	34 14.7	119 19.4	JD	75 05 15	1933	13	67	1.88	25.0	1	123
83.0	40.6	34 12.5	119 24.0	JD	75 05 15	2045	28	116	2.39	25.0	6	957
83.0	41.0	34 11.5	119 26.0	JD	75 05 15	2222	62	241	2.58	25.0	10	3960
83.0	42.0	34 09.5	119 30.0	JD	75 05 16	0007	214	722	2.95	25.0	13	21
83.0	43.0	34 08.0	119 34.0	JD	75 05 16	0200	213	674	3.16	25.0	4	30
83.0	44.0	34 05.6	119 38.0	JD	75 05 16	0345	132	499	2.64	25.0	7	8
83.0	44.7	34 04.2	119 41.2	JD	75 05 16	0514	72	309	2.32	100.0	9	1
83.0	45.0	34 03.6	119 42.5	JD	75 05 16	0628	76	304	2.48	100.0	6	304

TABLE 1. (cont.)

CalCOFI Cruise 7505

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
83.0	48.0	33	58.0	119	55.0	JD	75	05	16	0842	100	336	2.98	25.0	5	26
83.0	49.0	33	55.5	119	59.0	JD	75	05	16	0945	20	92	2.15	25.0	8	16
83.0	50.0	33	53.5	120	03.5	JD	75	05	16	1028	21	85	2.52	25.0	11	4
83.0	51.0	33	52.0	120	08.5	JD	75	05	16	1130	116	556	2.08	25.0	5	7
83.0	55.0	33	44.0	120	24.3	JD	75	05	16	1557	210	740	2.83	25.0	2	0
83.0	60.0	33	34.0	120	45.0	JD	75	05	16	1914	210	707	2.97	25.0	1	2
83.0	70.0	33	14.5	121	26.0	JD	75	05	17	0006	218	698	3.12	25.0	19	5
83.0	80.0	32	54.0	122	08.0	JD	75	05	17	0444	209	766	2.72	100.0	25	11
83.0	90.0	32	34.5	122	50.0	JD	75	05	17	0948	212	716	2.96	100.0	34	26
85.0	37.2	34	02.6	119	58.5	JD	75	05	19	0242	20	99	2.04	25.0	20	76
85.0	37.5	34	02.0	119	59.6	JD	75	05	19	0130	57	139	4.11	25.0	2	80
85.0	38.0	34	01.0	119	02.5	JD	75	05	18	2354	216	507	4.25	25.0	9	102
85.0	39.0	33	59.0	119	06.0	JD	75	05	18	2210	207	640	3.23	25.0	10	159
85.0	40.0	33	57.0	119	10.5	JD	75	05	18	2028	206	677	3.05	25.0	6	5
87.0	32.5	33	53.5	118	26.4	JD	75	05	19	1227	14	61	2.26	25.0	9	624
87.0	32.7	33	54.5	118	28.0	JD	75	05	19	1108	27	111	2.47	25.0	2	418
87.0	33.0	33	54.0	118	29.0	JD	75	05	19	0939	43	152	2.81	25.0	9	100
87.0	34.0	33	52.0	118	33.3	JD	75	05	19	0827	64	168	3.78	25.0	12	101
87.0	35.0	33	55.5	118	37.5	JD	75	05	19	0653	209	671	3.11	25.0	31	140
87.0	36.0	33	49.0	118	40.0	JD	75	05	19	0525	198	521	3.80	25.0	46	847
87.0	40.0	33	40.0	118	58.0	JD	75	05	18	1733	205	596	3.44	25.0	2	22
87.0	45.0	33	30.0	119	19.0	JD	75	05	18	1404	216	699	3.08	25.0	5	2
87.0	50.0	33	20.0	119	39.5	JD	75	05	18	1131	55	210	2.59	25.0	31	114
87.0	55.0	33	10.0	120	00.0	JD	75	05	18	0840	204	708	2.88	25.0	7	3
87.0	60.0	33	00.0	120	21.5	JD	75	05	18	0554	201	538	3.73	25.0	13	61
87.0	70.0	32	39.5	121	02.0	JD	75	05	18	0109	215	716	3.00	100.0	55	46
87.0	80.0	32	19.5	121	43.0	JD	75	05	17	2010	210	718	2.92	100.0	18	14
87.0	90.0	31	59.0	122	25.0	JD	75	05	17	1434	214	708	3.02	100.0	5	23
88.5	30.4	33	41.7	118	07.9	JD	75	05	19	2015	14	66	2.04	100.0	39	3524
88.5	31.0	33	40.3	118	09.4	JD	75	05	19	1915	14	66	2.14	100.0	181	1453
88.5	32.0	33	38.3	118	13.5	JD	75	05	19	1809	27	113	2.33	25.0	94	342
88.5	33.0	33	36.3	118	17.6	JD	75	05	19	1657	96	331	2.89	25.0	85	172
88.5	34.0	33	34.3	118	21.8	JD	75	05	19	1512	212	632	3.35	25.0	102	288
90.0	27.6	33	29.3	117	45.5	JD	75	05	20	2038	41	176	2.31	100.0	76	746
90.0	28.0	33	28.5	117	47.0	JD	75	05	20	2150	207	720	2.88	25.0	4	246
90.0	29.0	33	27.0	117	49.5	JD	75	05	20	2327	203	699	2.90	25.0	80	469
90.0	30.0	33	25.0	117	53.5	JD	75	05	21	0109	215	662	3.24	25.0	15	81
90.0	31.0	33	23.0	117	57.5	JD	75	05	21	0301	212	686	3.09	25.0	13	2
90.0	32.0	33	21.1	118	01.6	JD	75	05	21	0452	200	705	2.83	25.0	8	4
90.0	37.0	33	11.5	118	22.5	JD	75	05	21	0758	213	677	3.14	25.0	2	38
90.0	45.0	32	54.0	118	56.0	JD	75	05	21	1340	217	679	3.19	25.0	5	3
90.0	53.0	32	39.0	119	28.5	JD	75	05	21	1758	203	718	2.83	25.0	0	4
90.0	60.0	32	25.0	119	58.0	JD	75	05	21	2144	210	598	3.50	100.0	44	97
90.0	70.0	32	04.5	120	38.7	JD	75	05	22	0239	215	751	2.86	100.0	42	14
90.0	80.0	31	44.5	121	19.5	JD	75	05	22	0741	210	717	2.93	100.0	12	10

TABLE 1. (cont.)

CalCOFI Cruise 7505

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
90.0	90.0	31 24.0	122 01.0	JD	75 05 22	1321	215	710	3.03	100.0	6	72
91.5	26.5	33 14.7	117 27.7	JD	75 05 24	0944	14	65	2.19	100.0	598	5800
91.5	26.8	33 14.0	117 29.0	JD	75 05 24	0850	48	161	2.99	100.0	633	3066
91.5	28.0	33 11.7	117 34.0	JD	75 05 24	0731	208	625	3.32	25.0	70	427
91.5	29.0	33 09.7	117 38.1	JD	75 05 24	0610	698	672	2.98	25.0	38	163
91.5	30.0	33 07.7	117 42.2	JD	75 05 24	0433	204	698	2.92	25.0	48	130
93.0	26.7	32 57.2	117 17.4	JD	75 05 25	1525	14	83	1.64	100.0	4	782
93.0	26.9	32 56.8	117 18.3	JD	75 05 25	1630	52	195	2.67	100.0	184	6121
93.0	28.0	32 54.7	117 21.8	JD	75 05 25	1800	201	103	2.86	25.0	20	46
93.0	29.0	32 52.7	117 26.6	JD	75 05 25	1931	209	651	3.20	100.0	124	77
93.0	30.0	32 50.5	117 31.0	JD	75 05 25	2118	207	646	3.20	25.0	31	296
93.0	35.0	32 40.5	117 51.5	JD	75 05 24	0038	215	682	3.14	25.0	5	3
93.0	40.0	32 30.0	118 11.5	JD	75 05 23	2225	205	746	2.74	25.0	6	1
93.0	45.0	32 20.0	118 32.0	JD	75 05 23	1933	209	673	3.10	25.0	2	2
93.0	50.0	32 10.0	118 53.0	JD	75 05 23	1725	209	683	3.05	25.0	2	0
93.0	55.0	32 00.0	119 13.0	JD	75 05 23	1326	199	463	4.28	25.0	3	1
93.0	60.0	31 50.0	119 34.0	JD	75 05 23	1108	205	694	2.96	100.0	23	12
93.0	70.0	31 30.0	120 14.0	JD	75 05 23	0533	208	360	5.78	100.0	36	86
93.0	80.0	31 10.0	120 54.5	JD	75 05 23	0020	214	667	3.21	100.0	59	20
93.0	90.0	30 50.0	121 34.5	JD	75 05 22	1852	209	661	3.16	100.0	31	84
95.0	28.0	32 37.2	117 10.6	JD	75 05 26	0644	13	76	1.75	25.0	167	2602
95.0	29.0	32 35.2	117 14.5	JD	75 05 26	0534	32	142	2.24	25.0	104	719
95.0	30.0	32 29.0	117 27.0	JD	75 05 26	0027	153	469	3.25	25.0	21	73
95.0	31.0	32 31.2	117 22.7	JD	75 05 26	0222	214	603	3.55	25.0	25	12
95.0	32.0	32 33.2	117 18.5	JD	75 05 26	0359	217	621	3.48	25.0	44	25
97.0	28.8	32 17.8	117 04.0	JD	75 05 26	0920	26	114	2.27	100.0	501	3842
97.0	29.0	32 17.5	117 04.7	JD	75 05 26	1000	42	163	2.56	100.0	620	10572
97.0	30.0	32 16.0	117 07.0	JD	75 05 26	1040	47	171	2.73	100.0	365	2871
97.0	31.0	32 13.0	117 13.5	JD	75 05 26	1135	208	680	3.06	100.0	35	405
97.0	32.0	32 12.0	117 15.2	JD	75 05 26	1254	215	688	3.12	25.0	17	52
97.0	35.0	32 05.3	117 27.5	JD	75 05 26	1505	214	620	3.44	25.0	69	100
97.0	40.0	31 56.0	117 48.0	JD	75 05 26	1807	208	676	3.08	100.0	34	15
97.0	45.0	31 46.0	118 08.5	JD	75 05 26	2020	206	709	2.91	25.0	4	9
97.0	50.0	31 36.0	118 30.5	JD	75 05 26	2323	209	704	2.97	25.0	6	6
97.0	55.0	31 25.4	118 49.3	JD	75 05 27	0125	211	521	4.05	25.0	3	56
97.0	60.0	31 15.4	119 10.0	JD	75 05 27	0530	196	751	2.61	25.0	7	9
97.0	70.0	30 55.0	119 50.0	JD	75 05 27	1001	209	688	3.03	100.0	13	39
97.0	80.0	30 35.7	120 31.0	JD	75 05 27	1436	215	637	3.37	100.0	36	69
97.0	90.0	30 16.0	121 10.0	JD	75 05 27	1908	211	695	3.03	100.0	21	40
100.0	29.0	31 42.2	116 43.4	JD	75 05 29	0440	150	508	2.94	25.0	68	78
100.0	30.0	31 40.5	116 46.5	JD	75 05 29	0346	206	672	3.06	25.0	90	128
100.0	31.0	31 38.5	116 50.5	JD	75 05 29	0202	97	328	2.95	25.0	59	353
100.0	32.0	31 36.7	116 54.7	JD	75 05 29	0056	210	679	3.10	25.0	29	166
100.0	35.0	31 30.5	117 07.0	JD	75 05 28	2317	207	700	2.95	100.0	20	82
100.0	40.0	31 21.0	117 27.0	JD	75 05 28	2025	207	712	2.91	25.0	16	282

TABLE 1. (cont.)

CalCOFI Cruise 7505

Line	Station	Lat.(N) deg.	Lat.(N) min.	Long.(W) deg.	Long.(W) min.	Ship Code	Tow Date yr.	Tow Date mo.	Tow Date day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
100.0	50.0	31	00.5	118	07.0	JD	75	05	28	1553	200	622	3.21	25.0	4	359
100.0	60.0	30	40.5	118	47.5	JD	75	05	28	1124	206	708	2.91	100.0	53	132
100.0	70.0	30	20.5	119	27.5	JD	75	05	28	0640	210	706	2.97	100.0	50	45
100.0	80.0	30	01.0	120	07.0	JD	75	05	28	0103	214	695	3.08	100.0	67	173
103.0	28.8	31	07.6	116	20.0	JD	75	05	29	0845	15	62	2.31	25.0	28	156
103.0	29.0	31	07.0	116	21.0	JD	75	05	29	0913	20	68	2.88	25.0	50	11
103.0	30.0	31	06.0	116	24.5	JD	75	05	29	1026	56	193	2.87	25.0	203	46
103.0	31.0	31	03.7	116	29.5	JD	75	05	29	1113	89	333	2.65	25.0	358	1471
103.0	32.0	31	02.0	116	32.5	JD	75	05	29	1202	212	652	3.25	25.0	16	865
103.0	35.0	30	55.4	116	46.3	JD	75	05	29	1504	212	397	5.32	25.0	80	37
103.0	40.0	30	46.0	117	04.5	JD	75	05	29	1801	205	683	3.00	25.0	145	5163
103.0	45.0	30	36.0	117	24.0	JD	75	05	29	2019	212	664	3.19	25.0	29	17
103.0	50.0	30	26.0	117	45.0	JD	75	05	29	2335	212	693	3.05	25.0	22	32
103.0	60.0	30	06.0	118	25.0	JD	75	05	30	0415	210	689	3.04	25.0	8	18
103.0	70.0	29	46.0	119	05.0	JD	75	05	30	0846	208	704	2.95	100.0	28	37
103.0	80.0	29	27.0	119	43.7	JD	75	05	30	1410	211	687	3.07	100.0	51	64
107.0	30.3	30	29.3	116	04.0	JD	75	05	31	2325	13	68	1.88	100.0	49	187
107.0	30.6	30	28.7	116	05.3	JD	75	05	31	2249	14	65	2.10	100.0	41	170
107.0	31.0	30	28.0	116	07.0	JD	75	05	31	2217	27	116	2.31	25.0	211	185
107.0	32.0	30	25.8	116	11.0	JD	75	05	31	2118	207	673	3.07	25.0	160	1648
107.0	33.0	30	24.0	116	15.0	JD	75	05	31	2001	206	746	2.76	25.0	21	8
107.0	34.0	30	22.3	116	19.3	JD	75	05	31	1904	204	641	3.17	25.0	32	9
107.0	35.0	30	21.0	116	22.0	JD	75	05	31	1809	207	659	3.14	25.0	28	38
107.0	40.0	30	11.0	116	42.0	JD	75	05	31	1505	212	687	3.08	25.0	7	7
107.0	50.0	29	50.0	117	25.0	JD	75	05	31	0908	209	716	2.91	25.0	14	31
107.0	60.0	29	31.5	118	01.5	JD	75	05	31	0415	208	705	2.94	25.0	42	25
107.0	70.0	29	11.0	118	41.0	JD	75	05	30	2329	208	722	2.87	100.0	183	35
107.0	80.0	28	51.5	119	20.0	JD	75	05	30	1900	202	743	2.72	100.0	86	181
110.0	32.4	29	51.2	115	49.7	JD	75	06	01	0254	36	110	3.28	25.0	1177	203
110.0	33.0	29	50.0	115	52.0	JD	75	06	01	0337	65	210	3.10	25.0	259	298
110.0	34.0	29	48.7	115	55.8	JD	75	06	01	0424	204	670	3.04	25.0	235	182
110.0	35.0	29	46.0	116	00.0	JD	75	06	01	0604	204	683	2.98	25.0	70	88
110.0	40.0	29	36.0	116	20.0	JD	75	06	01	0850	209	753	2.78	25.0	20	21
110.0	45.0	29	27.5	116	40.0	JD	75	06	01	1105	212	689	3.07	25.0	29	18
110.0	50.0	29	16.3	116	59.0	JD	75	06	01	1502	216	681	3.17	25.0	55	4
110.0	55.0	29	06.5	117	19.0	JD	75	06	01	1713	210	646	3.24	25.0	8	22
110.0	60.0	28	56.5	117	39.0	JD	75	06	01	2025	211	615	3.42	25.0	43	19
110.0	70.0	28	36.3	118	18.0	JD	75	06	02	0116	215	667	3.22	100.0	116	173
110.0	80.0	28	16.5	118	57.0	JD	75	06	02	0558	209	682	3.06	100.0	55	204
113.0	28.8	29	25.0	115	12.5	JD	75	06	03	1330	14	80	1.77	100.0	5	92
113.0	29.0	29	24.5	115	13.6	JD	75	06	03	1301	21	101	2.09	100.0	3	52
113.0	30.0	29	22.0	115	18.0	JD	75	06	03	1213	50	156	3.18	100.0	10	94
113.0	31.0	29	20.7	115	21.6	JD	75	06	03	1126	77	288	2.66	100.0	22	138
113.0	32.0	29	17.5	115	25.5	JD	75	06	03	1035	95	325	2.91	100.0	14	178
113.0	35.0	29	11.0	115	38.0	JD	75	06	03	0854	208	715	2.91	25.0	75	12

TABLE 1. (cont.)

CalCOFI Cruise 7505

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
113.0	40.0	29	02.0	115	56.0	JD	75	06	03	0610	206	656	3.14	25.0	25	46
113.0	45.0	28	52.0	116	18.0	JD	75	06	03	0315	213	665	3.21	25.0	11	39
113.0	50.0	28	41.5	116	36.5	JD	75	06	03	0103	193	718	2.69	25.0	37	39
113.0	60.0	28	25.0	117	17.0	JD	75	06	02	2018	211	689	3.05	25.0	6	15
113.0	70.0	28	02.0	117	55.0	JD	75	06	02	1543	210	698	3.01	100.0	37	151
113.0	80.0	27	42.0	118	33.0	JD	75	06	02	1026	209	723	2.89	100.0	45	232
117.0	25.0	28	58.0	114	37.0	JD	75	06	03	1722	48	195	2.43	100.0	14	527
117.0	26.0	28	56.0	114	41.5	JD	75	06	03	1806	65	251	2.61	100.0	188	319
117.0	27.0	28	53.9	114	45.0	JD	75	06	03	1846	78	266	2.90	25.0	110	31
117.0	28.0	28	51.9	114	48.8	JD	75	06	03	1928	83	299	2.76	25.0	277	48
117.0	30.0	28	48.0	114	56.5	JD	75	06	03	2044	92	332	2.76	25.0	81	232
117.0	35.0	28	38.0	115	16.0	JD	75	06	03	2255	172	608	2.83	25.0	58	48
117.0	40.0	28	28.0	115	35.5	JD	75	06	04	0358	209	684	3.05	25.0	6	15
117.0	45.0	28	18.0	115	56.0	JD	75	06	04	0614	199	746	2.66	25.0	4	27
117.0	50.0	28	08.0	116	15.0	JD	75	06	04	0936	206	706	2.92	25.0	15	3
117.0	60.0	27	48.0	116	53.0	JD	75	06	04	1353	214	730	2.93	100.0	42	99
117.0	70.0	27	27.5	117	32.5	JD	75	06	04	1814	211	687	3.07	100.0	72	75
117.0	80.0	27	08.0	118	10.0	JD	75	06	04	2310	207	758	2.73	100.0	110	110
118.0	39.0	28	18.5	115	23.7	JD	75	06	04	0117	208	703	2.96	25.0	153	104
119.0	33.0	28	19.0	114	53.0	JD	75	06	06	0428	105	355	2.96	25.0	25	709
120.0	22.4	28	28.2	114	04.4	JD	75	06	06	1203	14	77	1.81	100.0	10	263
120.0	22.7	28	27.5	114	05.5	JD	75	06	06	1136	13	68	1.93	100.0	233	441
120.0	23.0	28	26.8	114	06.8	JD	75	06	06	1113	13	72	1.85	100.0	473	573
120.0	24.0	28	25.0	114	10.7	JD	75	06	06	1026	29	111	2.60	100.0	1092	848
120.0	25.0	28	22.5	114	15.0	JD	75	06	06	0946	48	178	2.66	100.0	2890	1453
120.0	26.0	28	22.0	114	18.0	JD	75	06	06	0824	68	260	2.61	25.0	2060	1355
120.0	30.0	28	13.0	114	34.0	JD	75	06	06	0639	82	297	2.76	100.0	116	4950
120.0	35.0	28	03.0	114	53.8	JD	75	06	06	0144	77	274	2.82	25.0	18	170
120.0	40.0	27	56.5	115	14.0	JD	75	06	05	2315	36	131	2.73	25.0	326	27
120.0	45.0	27	43.0	115	33.0	JD	75	06	05	2043	211	709	2.98	25.0	102	27
120.0	50.0	27	33.0	115	52.5	JD	75	06	05	1753	204	739	2.75	25.0	141	5
120.0	60.0	27	13.0	116	30.5	JD	75	06	05	1306	210	673	3.11	25.0	50	166
120.0	70.0	26	55.0	117	09.0	JD	75	06	05	0832	206	720	2.86	100.0	60	102
120.0	80.0	26	32.5	117	48.5	JD	75	06	05	0316	215	687	3.13	100.0	138	125

TABLE 1. (cont.)

CalCOFI Cruise 7507

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	50.0	37	57.5	122	53.1	JD	75	07	17	1703	43	157	2.70	25.0	2	16
60.0	52.0	37	54.0	123	01.7	JD	75	07	17	1815	71	250	2.82	100.0	19	116
60.0	55.0	37	47.0	123	15.0	JD	75	07	17	2004	119	445	2.67	25.0	4	2
60.0	60.0	37	37.0	123	37.0	JD	75	07	17	2344	211	740	2.85	25.0	7	0
60.0	65.0	37	27.0	123	58.5	JD	75	07	18	0228	212	720	2.93	25.0	17	4
60.0	70.0	37	17.2	124	21.0	JD	75	07	18	0542	213	728	2.93	25.0	11	4
60.0	80.0	36	57.0	125	04.0	JD	75	07	18	1107	208	662	3.15	25.0	2	3
60.0	90.0	36	37.0	125	47.0	JD	75	07	18	1642	214	723	2.95	25.0	3	0
63.0	52.0	37	19.0	122	36.0	JD	75	07	17	1155	77	214	3.60	25.0	3	37
63.0	55.0	37	13.0	122	50.0	JD	75	07	17	0952	212	707	2.99	25.0	8	2
63.0	60.0	37	02.5	123	11.5	JD	75	07	17	0711	205	747	2.74	25.0	5	5
66.0	49.0	36	53.0	122	01.7	JD	75	07	16	1745	58	215	2.68	25.0	1	45
67.0	50.0	36	48.1	122	04.5	JD	75	07	16	1853	99	342	2.90	25.0	9	38
67.0	55.0	36	39.0	122	26.0	JD	75	07	16	2323	199	785	2.54	25.0	6	3
67.0	60.0	36	29.0	122	47.5	JD	75	07	17	0224	214	629	3.40	25.0	11	3
70.0	51.0	36	11.3	121	44.0	JD	75	07	16	1220	212	695	3.05	25.0	5	0
70.0	53.0	36	06.5	121	54.0	JD	75	07	16	1021	213	732	2.91	25.0	4	0
70.0	60.0	35	53.0	122	22.5	JD	75	07	15	0652	216	705	3.06	25.0	9	4
70.0	65.0	35	43.0	122	45.0	JD	75	07	15	0335	213	764	2.79	25.0	6	1
70.0	70.0	35	33.0	123	06.0	JD	75	07	15	0102	217	740	2.93	25.0	12	11
70.0	80.0	35	13.0	123	47.7	JD	75	07	14	2024	210	790	2.65	25.0	4	3
70.0	90.0	34	53.0	124	30.0	JD	75	07	14	1417	214	779	2.74	100.0	5	23
73.0	50.0	35	37.0	121	17.0	JD	75	07	11	0921	90	375	2.39	100.0	10	28
73.0	53.0	35	31.5	121	28.5	JD	75	07	11	1131	181	922	1.96	100.0	31	2
73.0	60.0	35	18.0	121	57.4	JD	75	07	13	1754	212	733	2.89	25.0	5	1
73.0	65.0	35	08.0	122	19.0	JD	75	07	13	2016	204	731	2.79	25.0	8	2
73.0	70.0	34	58.0	122	40.0	JD	75	07	13	2321	212	748	2.83	25.0	6	2
73.0	80.0	34	38.0	123	22.0	JD	75	07	14	0406	216	708	3.05	25.0	6	2
73.0	90.0	34	18.0	124	04.0	JD	75	07	14	0859	217	727	2.98	100.0	9	15
77.0	48.0	35	08.3	120	43.7	JD	75	07	09	2155	18	99	1.84	25.0	2	38
77.0	55.0	34	54.5	121	12.5	JD	75	07	09	1738	218	768	2.84	25.0	7	1
77.0	60.0	34	44.3	121	33.5	JD	75	07	09	1446	223	704	3.16	25.0	2	0
77.0	65.0	34	34.0	121	55.0	JD	75	07	09	1132	200	776	2.58	25.0	1	3
77.0	70.0	34	23.8	122	16.0	JD	75	07	09	0855	204	695	2.94	25.0	2	2
77.0	80.0	34	04.0	122	57.0	JD	75	07	09	0350	211	587	3.58	25.0	7	8
77.0	90.0	33	43.0	123	39.0	JD	75	07	08	2143	197	787	2.51	100.0	11	23
80.0	50.1	34	28.0	120	29.2	JD	75	07	07	0925	14	82	1.71	100.0	2	374
80.0	51.0	34	26.5	120	32.5	JD	75	07	07	1024	77	404	1.91	100.0	2	48
80.0	52.0	34	24.8	120	35.8	JD	75	07	07	1225	220	703	3.13	100.0	15	10
80.0	53.0	34	22.6	120	40.0	JD	75	07	07	1513	220	741	2.96	25.0	2	0
80.0	54.0	34	21.0	120	44.1	JD	75	07	07	1813	220	761	2.88	25.0	0	16
80.0	55.0	34	19.0	120	48.0	JD	75	07	07	2115	206	780	2.64	25.0	6	0
80.0	60.0	34	09.0	121	09.0	JD	75	07	08	0135	211	664	3.18	25.0	8	4
80.0	70.0	33	48.2	121	51.0	JD	75	07	08	0644	218	730	2.99	25.0	3	1
80.0	80.0	33	29.0	122	32.0	JD	75	07	08	1142	196	828	2.35	25.0	7	16

TABLE 1. (cont.)

CalCOFI Cruise 7507

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
80.0	90.0	33 09.0	123 13.0	JD	75 07 08	1633	209	733	2.85	100.0	7	5
81.5	43.5	34 24.1	119 47.8	JD	75 07 06	2333	33	158	2.05	100.0	78	417
81.5	44.0	34 23.0	119 50.0	JD	75 07 07	0046	57	240	2.35	100.0	49	87
81.5	44.5	34 22.1	119 52.0	JD	75 07 07	0148	73	323	2.26	100.0	46	40
81.5	45.0	34 21.1	119 54.0	JD	75 07 07	0306	221	628	3.52	25.0	14	5
81.5	46.0	34 19.2	119 58.2	JD	75 07 07	0453	209	733	2.84	25.0	3	126
81.5	47.0	34 17.3	120 02.5	JD	75 07 07	0638	212	746	2.84	25.0	0	0
83.0	39.4	34 14.7	119 19.4	JD	75 07 06	2019	14	81	1.76	100.0	9	126
83.0	40.6	34 12.5	119 24.2	JD	75 07 06	1853	29	110	2.64	25.0	4	110
83.0	41.0	34 11.5	119 26.1	JD	75 07 06	1740	64	236	2.70	100.0	45	281
83.0	42.0	34 09.6	119 30.0	JD	75 07 06	1608	208	730	2.85	25.0	15	103
83.0	43.0	34 08.0	119 34.0	JD	75 07 06	1402	226	710	3.18	25.0	19	18
83.0	44.0	34 05.8	119 38.4	JD	75 07 06	1229	139	762	1.83	25.0	22	246
83.0	44.7	34 04.2	119 41.2	JD	75 07 06	1050	83	277	2.99	25.0	2	99
83.0	45.0	34 03.6	119 42.5	JD	75 07 06	0942	55	196	2.80	25.0	13	60
83.0	48.0	33 57.8	119 55.2	JD	75 07 06	0652	87	344	2.51	25.0	15	134
83.0	49.0	33 55.5	119 59.1	JD	75 07 06	0551	21	92	2.29	25.0	6	183
83.0	50.0	33 53.8	120 03.5	JD	75 07 06	0502	21	102	2.04	100.0	56	265
83.0	51.0	33 52.0	120 08.5	JD	75 07 06	0406	124	421	2.94	25.0	10	9
83.0	55.0	33 44.0	120 24.0	JD	75 07 06	0104	217	736	2.94	25.0	4	0
83.0	60.0	33 34.0	120 45.0	JD	75 07 05	2056	206	737	2.79	25.0	10	5
83.0	70.0	33 14.5	121 26.0	JD	75 07 05	1553	212	658	3.23	25.0	2	5
83.0	80.0	32 54.0	122 08.0	JD	75 07 05	1118	209	766	2.73	100.0	12	43
83.0	90.0	32 34.0	122 49.0	JD	75 07 05	0612	214	727	2.94	100.0	20	12
85.0	37.2	34 02.6	118 58.6	JD	75 07 03	1116	21	101	2.04	100.0	97	1047
85.0	37.5	34 02.1	118 59.7	JD	75 07 03	1225	51	176	2.87	100.0	82	923
85.0	38.0	34 01.0	119 02.5	JD	75 07 03	1338	191	677	2.82	25.0	67	85
85.0	39.0	33 59.0	119 06.3	JD	75 07 03	1513	214	724	2.95	25.0	27	43
85.0	40.0	33 57.0	119 10.7	JD	75 07 03	1701	211	707	2.98	25.0	84	10
87.0	32.5	33 53.5	118 26.4	JD	75 07 03	0038	14	103	1.35	100.0	312	17218
87.0	32.7	33 54.5	118 28.0	JD	75 07 03	0209	27	138	1.92	25.0	126	1150
87.0	33.0	33 53.9	118 29.0	JD	75 07 03	0329	39	174	2.21	25.0	61	1145
87.0	34.0	33 52.0	118 33.4	JD	75 07 03	0458	71	234	3.03	25.0	67	80
87.0	35.0	33 50.1	118 37.5	JD	75 07 03	0639	210	707	2.96	25.0	10	20
87.0	36.0	33 48.8	118 40.0	JD	75 07 03	0820	201	746	2.69	25.0	10	32
87.0	40.0	33 40.0	118 58.5	JD	75 07 03	2009	208	708	2.94	25.0	6	2
87.0	45.0	33 30.0	119 19.0	JD	75 07 04	0047	216	689	3.14	25.0	2	322
87.0	50.0	33 20.0	119 39.5	JD	75 07 04	0352	64	283	2.26	25.0	4	0
87.0	55.0	33 10.0	120 00.0	JD	75 07 04	0624	215	648	3.31	25.0	4	0
87.0	60.0	33 00.0	120 21.5	JD	75 07 04	0943	209	675	3.09	25.0	2	4
87.0	70.0	33 39.5	121 02.0	JD	75 07 04	1445	211	726	2.91	100.0	52	156
87.0	80.0	32 19.5	121 43.0	JD	75 07 04	1912	213	672	3.16	100.0	20	21
87.0	90.0	31 59.0	122 24.0	JD	75 07 05	0115	215	693	3.10	100.0	65	142
88.5	30.4	33 41.4	118 07.1	JD	75 06 30	0810	14	91	1.54	100.0	827	6743
88.5	31.0	33 40.3	118 09.4	JD	75 07 02	1649	23	97	2.29	100.0	622	2737

TABLE 1. (cont.)

CalCOFI Cruise 7507

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
88.5	32.0	33	38.3	118	13.5	JD	75	07	02	1808	36	130	2.75	25.0	40	159
88.5	33.0	33	36.3	118	17.5	JD	75	07	02	1936	207	705	2.94	25.0	4	14
88.5	34.0	33	34.0	118	22.0	JD	75	07	02	2130	207	737	2.80	25.0	9	49
90.0	27.6	33	29.3	117	45.4	JD	75	06	30	0524	35	142	2.47	25.0	38	809
90.0	28.0	33	28.5	117	46.7	JD	75	06	30	0408	213	659	3.23	25.0	15	93
90.0	29.0	33	27.0	117	49.5	JD	75	06	30	0241	218	627	3.47	25.0	11	14
90.0	30.0	33	25.0	117	53.5	JD	75	06	30	0058	215	669	3.21	25.0	3	7
90.0	31.0	33	23.0	117	58.0	JD	75	06	29	2315	209	719	2.90	25.0	3	38
90.0	32.0	33	20.5	118	03.0	JD	75	06	29	2135	202	735	2.75	25.0	0	14
90.0	37.0	33	11.0	118	22.5	JD	75	06	29	1817	210	745	2.82	25.0	26	13
90.0	45.0	32	54.5	118	55.5	JD	75	06	29	1405	215	480	4.46	25.0	7	16
90.0	53.0	32	39.0	119	28.6	JD	75	06	29	0830	215	690	3.11	25.0	2	0
90.0	60.0	32	25.0	119	57.5	JD	75	06	29	0306	214	752	2.84	100.0	24	55
90.0	70.0	32	04.5	120	38.5	JD	75	06	28	2020	220	709	3.10	100.0	28	78
90.0	80.0	31	44.5	121	19.5	JD	75	06	28	1450	215	746	2.88	100.0	7	16
90.0	90.0	31	24.0	122	10.0	JD	75	06	28	0737	218	743	2.92	100.0	17	22
91.5	26.8	33	14.0	117	29.6	JD	75	06	26	0843	61	239	2.56	100.0	48	2372
91.5	28.0	33	11.7	117	34.0	JD	75	06	26	1019	210	741	2.84	100.0	111	797
91.5	29.0	33	09.7	117	38.1	JD	75	06	26	1209	219	709	3.08	100.0	18	173
91.5	30.0	33	07.7	117	42.2	JD	75	06	26	1405	218	717	3.04	100.0	17	269
93.0	26.9	32	56.8	117	18.3	JD	75	06	26	0335	57	240	2.35	100.0	63	881
93.0	28.0	32	54.7	117	21.8	JD	75	06	26	0205	214	725	2.95	25.0	13	52
93.0	29.0	32	52.7	117	26.6	JD	75	06	26	0013	212	748	2.83	25.0	9	113
93.0	30.0	32	50.5	117	31.0	JD	75	06	25	2212	212	771	2.74	25.0	12	321
93.0	35.0	32	40.5	117	51.5	JD	75	06	26	1715	215	742	2.90	25.0	87	284
93.0	40.0	32	30.0	118	11.5	JD	75	06	26	2037	207	751	2.76	25.0	13	166
93.0	45.0	32	20.0	118	32.0	JD	75	06	26	2300	214	708	3.02	25.0	5	4
93.0	50.0	32	10.0	118	52.5	JD	75	06	27	0238	215	602	3.56	25.0	7	62
93.0	55.0	32	01.0	119	11.5	JD	75	06	27	0508	216	575	3.75	25.0	6	4
93.0	60.0	31	50.0	119	33.7	JD	75	06	27	0849	213	724	2.94	100.0	36	122
93.0	70.0	31	30.0	120	14.0	JD	75	06	27	1354	215	709	3.02	100.0	19	49
93.0	80.0	31	10.0	120	54.0	JD	75	06	27	2034	205	719	2.85	100.0	37	17
93.0	90.0	30	50.0	121	34.5	JD	75	06	28	0142	211	682	3.10	100.0	20	20
94.0	32.0	32	40.0	117	35.0	JD	75	06	23	1946	212	605	3.51	25.0	3	184
95.0	28.0	32	37.2	117	10.6	JD	75	06	24	1933	14	72	1.96	100.0	15	863
95.0	29.0	32	35.2	117	14.5	JD	75	06	24	2113	42	191	2.17	100.0	106	3359
95.0	30.0	32	33.2	117	18.5	JD	75	06	25	1228	85	374	2.26	100.0	119	3600
95.0	31.0	32	31.2	117	22.7	JD	75	06	25	1429	216	750	2.88	100.0	71	339
95.0	32.0	32	29.0	117	26.9	JD	75	06	25	1754	218	727	3.00	100.0	37	398
97.0	28.8	32	18.3	117	03.2	AX	75	06	24	0015	28	186	1.51	100.0	9	324
97.0	29.0	32	17.5	117	04.7	AX	75	06	24	0142	55	213	2.55	100.0	62	2813
97.0	30.0	32	16.0	117	07.0	AX	75	06	24	0313	35	161	2.16	100.0	22	3097
97.0	31.0	32	13.6	117	13.0	AX	75	06	24	0417	216	755	2.86	25.0	12	165
97.0	32.0	32	11.7	117	15.2	AX	75	06	24	0703	211	772	2.74	25.0	6	443
97.0	35.0	32	05.7	117	28.1	AX	75	06	21	0948	195	677	2.88	25.0	1	82

TABLE 1. (cont.)

CalCOFI Cruise 7507

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
97.0	40.0	31	56.0	117	48.0	AX	75	06	24	1450	223	624	3.57	25.0	2	107
97.0	45.0	31	46.5	118	08.6	AX	75	06	24	1725	202	788	2.56	25.0	42	183
97.0	50.0	31	26.4	118	31.5	AX	75	06	24	2125	193	871	2.21	25.0	4	51
97.0	55.0	31	25.5	118	49.5	AX	75	06	25	0015	215	812	2.65	25.0	11	7
97.0	60.0	31	15.5	119	10.0	AX	75	06	25	0420	194	990	1.96	25.0	10	25
97.0	70.0	30	57.1	119	50.4	AX	75	06	25	0938	219	580	3.77	100.0	44	32
97.0	80.0	30	36.8	120	32.5	AX	75	06	25	1607	208	721	2.88	100.0	20	110
97.0	90.0	30	14.2	121	11.0	AX	75	06	25	2235	211	760	2.77	100.0	70	41
100.0	29.0	31	42.0	116	43.5	AX	75	06	27	1748	105	384	2.73	100.0	12	83
100.0	31.0	31	38.3	116	50.5	AX	75	06	27	1511	91	347	2.62	100.0	21	82
100.0	32.0	31	36.5	116	54.7	AX	75	06	27	1402	208	788	2.64	100.0	272	410
100.0	35.0	31	29.3	117	06.4	AX	75	06	27	1202	206	783	2.62	25.0	10	54
100.0	40.0	31	18.3	117	25.8	AX	75	06	27	0834	204	771	2.64	25.0	5	16
100.0	50.0	31	00.5	118	07.0	AX	75	06	27	0248	209	706	2.96	25.0	13	12
100.0	60.0	30	41.0	118	46.8	AX	75	06	26	2040	222	767	2.89	100.0	233	118
100.0	70.0	30	22.0	119	25.2	AX	75	06	26	1526	223	711	3.13	100.0	91	76
100.0	80.0	29	58.8	120	09.7	AX	75	06	26	0908	209	801	2.61	100.0	41	113
100.0	90.0	29	58.8	120	09.7	AX	75	06	26	0357	210	816	2.58	100.0	130	301
103.0	28.8	31	07.8	116	20.5	AX	75	06	27	2220	10	97	1.04	100.0	4	202
103.0	29.0	31	07.0	116	21.0	AX	75	06	27	2306	26	132	1.93	25.0	19	134
103.0	30.0	31	06.0	116	24.5	AX	75	06	27	2351	41	164	2.49	25.0	110	177
103.0	31.0	31	03.7	116	29.5	AX	75	06	28	0044	93	325	2.85	25.0	26	8
103.0	32.0	31	02.0	116	32.5	AX	75	06	28	0200	174	569	3.05	25.0	13	4
103.0	35.0	30	56.0	116	45.0	AX	75	06	28	0402	197	772	2.55	25.0	34	30
103.0	40.0	30	46.1	117	04.5	AX	75	06	28	0807	203	648	3.14	25.0	8	14
103.0	45.0	30	36.5	117	24.2	AX	75	06	28	1018	203	810	2.51	25.0	6	27
103.0	50.0	30	26.1	117	45.0	AX	75	06	28	1349	207	773	2.68	25.0	8	33
103.0	60.0	30	06.0	118	25.0	AX	75	06	28	1921	207	769	2.69	25.0	20	7
103.0	70.0	29	46.4	119	03.5	AX	75	06	29	1721	206	809	2.55	100.0	75	106
103.0	80.0	29	25.8	119	43.5	AX	75	06	29	2301	222	761	2.91	100.0	182	199
103.0	90.0	29	06.8	120	24.3	AX	75	06	30	0422	219	768	2.86	100.0	267	26
107.0	30.3	30	28.0	116	03.8	AX	75	07	02	0428	6	83	0.72	100.0	89	413
107.0	30.6	30	27.7	116	05.3	AX	75	07	02	0344	21	126	1.62	100.0	24	166
107.0	31.0	30	27.7	116	07.2	AX	75	07	02	0252	35	154	2.28	100.0	71	358
107.0	32.0	30	25.8	116	11.3	AX	75	07	01	2357	210	772	2.72	25.0	50	179
107.0	33.0	30	23.9	116	15.3	AX	75	07	01	2203	216	757	2.85	25.0	35	174
107.0	34.0	30	22.3	116	19.4	AX	75	07	01	2035	213	794	2.69	25.0	24	85
107.0	35.0	30	21.0	116	22.4	AX	75	07	01	1900	212	808	2.63	25.0	3	4
107.0	40.0	30	11.0	116	43.0	AX	75	07	01	1443	213	775	2.74	25.0	5	9
107.0	50.0	29	50.7	117	23.8	AX	75	07	01	0917	201	801	2.51	25.0	9	14
107.0	60.0	29	30.8	118	02.0	AX	75	07	01	0337	208	803	2.59	25.0	13	14
107.0	70.0	29	11.0	118	40.4	AX	75	06	30	2213	210	735	2.85	100.0	126	51
107.0	80.0	28	50.4	119	17.6	AX	75	06	30	1623	214	788	2.72	100.0	52	126
107.0	90.0	28	27.0	120	00.0	AX	75	06	30	1037	217	759	2.86	100.0	42	167
110.0	31.7	25	51.9	115	47.8	AX	75	07	02	0842	14	65	2.18	100.0	10	963

TABLE 1. (cont.)

CalCOFI Cruise 7507

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
110.0	32.0	29	51.2	115	49.7	AX	75	07	02	0927	24	135	1.78	100.0	79	1171
110.0	33.0	29	49.8	115	52.0	AX	75	07	02	1314	75	311	2.40	100.0	55	241
110.0	34.0	29	48.7	115	55.7	AX	75	07	02	1432	206	745	2.76	100.0	12	9
110.0	35.0	29	46.1	115	59.9	AX	75	07	02	1627	206	765	2.69	25.0	6	2
110.0	40.0	29	36.7	116	19.7	AX	75	07	02	2015	196	837	2.34	25.0	66	3
110.0	45.0	29	26.0	116	40.4	AX	75	07	02	2337	196	786	2.50	25.0	305	52
110.0	50.0	29	16.5	116	59.0	AX	75	07	03	0308	202	816	2.48	25.0	16	17
110.0	55.0	29	06.2	117	18.6	AX	75	07	03	0608	210	821	2.56	25.0	3	9
110.0	60.0	28	58.5	117	38.8	AX	75	07	03	1002	192	843	2.28	25.0	10	14
110.0	70.0	28	37.3	118	19.1	AX	75	07	03	1459	212	803	2.64	100.0	25	21
110.0	80.0	28	16.5	118	56.1	AX	75	07	03	2049	221	762	2.90	100.0	121	177
113.0	28.8	29	25.1	115	12.5	AX	75	07	05	1030	20	99	2.02	100.0	1	281
113.0	29.0	29	24.4	115	13.6	AX	75	07	05	0947	22	135	1.64	100.0	8	304
113.0	30.0	29	22.0	115	17.8	AX	75	07	05	0845	49	234	2.08	100.0	49	90
113.0	31.0	29	20.2	115	21.5	AX	75	07	05	0745	64	290	2.20	100.0	26	149
113.0	32.0	29	17.9	115	25.5	AX	75	07	05	0645	91	307	2.94	25.0	11	277
113.0	35.0	29	13.6	115	37.2	AX	75	07	05	0454	214	772	2.77	25.0	20	4
113.0	40.0	29	02.9	115	56.2	AX	75	07	05	0127	210	749	2.80	25.0	25	1
113.0	45.0	28	51.4	116	16.6	AX	75	07	04	2203	220	766	2.87	25.0	46	24
113.0	50.0	28	41.1	116	36.8	AX	75	07	04	1903	218	774	2.82	25.0	82	10
113.0	60.0	28	22.0	117	16.0	AX	75	07	04	1324	211	780	2.70	25.0	15	14
113.0	70.0	28	02.1	117	54.9	AX	75	07	04	0809	202	803	2.52	100.0	76	371
113.0	80.0	27	42.0	118	32.8	AX	75	07	04	0156	213	928	2.29	100.0	102	209
117.0	25.0	28	58.1	114	37.0	AX	75	07	05	2222	39	148	2.65	100.0	100	470
117.0	26.0	28	55.6	114	41.0	AX	75	07	05	2124	56	208	2.68	25.0	12	19
117.0	27.0	28	53.2	114	44.2	AX	75	07	05	2028	61	247	2.44	25.0	82	58
117.0	28.0	28	51.3	114	48.2	AX	75	07	05	1923	71	268	2.62	100.0	107	889
117.0	30.0	28	48.0	114	56.7	AX	75	07	05	1803	87	329	2.63	100.0	127	1147
117.0	35.0	28	38.0	115	16.0	AX	75	07	05	1523	174	654	2.66	25.0	28	12
117.0	40.0	28	28.2	115	35.6	AX	75	07	07	0806	208	752	2.77	25.0	8	15
117.0	45.0	28	17.9	115	56.2	AX	75	07	07	1108	222	749	2.96	100.0	36	17
117.0	50.0	28	07.0	116	15.5	AX	75	07	07	1417	208	796	2.61	100.0	41	23
117.0	60.0	27	47.8	116	53.6	AX	75	07	07	1947	214	781	2.74	100.0	35	24
117.0	70.0	27	27.5	117	32.5	AX	75	07	08	0048	213	784	2.71	100.0	263	242
117.0	80.0	27	08.0	118	10.0	AX	75	07	08	0609	211	758	2.78	100.0	268	506
118.0	39.0	28	18.3	115	24.2	AX	75	07	07	0459	207	805	2.57	25.0	27	122
119.0	33.0	28	19.0	114	53.0	AX	75	07	07	0037	106	365	2.91	25.0	183	650
120.0	22.4	28	28.1	114	04.7	AX	75	07	06	0303	10	93	1.09	25.0	56	728
120.0	22.7	28	27.6	114	05.5	AX	75	07	06	0339	14	78	1.75	25.0	42	261
120.0	23.0	28	27.0	114	07.0	AX	75	07	06	0412	15	114	1.34	25.0	46	172
120.0	24.0	28	25.1	114	10.7	AX	75	07	06	0459	32	153	2.08	25.0	77	152
120.0	25.0	28	23.0	114	14.8	AX	75	07	06	0550	52	245	2.10	25.0	381	64
120.0	26.0	28	20.9	114	18.1	AX	75	07	06	0642	77	287	2.67	25.0	173	175
120.0	30.0	28	14.0	114	34.3	AX	75	07	06	0840	77	305	2.53	25.0	130	710
120.0	35.0	28	03.0	114	54.4	AX	75	07	06	1118	58	218	2.64	25.0	407	200

TABLE 1. (cont.)

CalCOFI Cruise 7507

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
120.0	40.0	27	56.6	115	13.9	AX	75	07	09	1105	30	160	1.87	100.0	17	281
120.0	45.0	27	46.5	115	35.7	AX	75	07	09	0814	206	787	2.62	25.0	8	24
120.0	50.0	27	36.0	115	55.0	AX	75	07	09	0442	203	783	2.59	25.0	35	47
120.0	60.0	27	15.3	116	32.0	AX	75	07	08	2240	218	783	2.78	25.0	54	17
120.0	70.0	26	54.3	117	09.7	AX	75	07	08	1720	211	783	2.69	100.0	54	157
120.0	80.0	26	31.6	117	48.2	AX	75	07	08	1120	213	805	2.64	100.0	134	229
123.0	35.7	27	26.5	114	35.2	AX	75	07	09	1556	12	85	1.39	100.0	3	177
123.0	36.0	27	26.2	114	36.0	AX	75	07	09	1633	30	177	1.67	100.0	22	143
123.0	37.0	27	24.0	114	40.2	AX	75	07	09	1726	52	254	2.05	100.0	61	416
123.0	38.0	27	21.5	114	44.3	AX	75	07	09	1822	76	267	2.84	25.0	16	106
123.0	39.0	27	20.1	114	47.7	AX	75	07	09	1915	97	435	2.23	100.0	33	234
123.0	42.0	27	14.4	114	59.7	AX	75	07	09	2158	215	785	2.74	100.0	211	76
123.0	45.0	27	08.2	115	10.7	AX	75	07	10	0020	198	813	2.43	25.0	46	97
123.0	50.0	26	57.8	115	30.5	AX	75	07	10	0322	208	766	2.72	25.0	81	164
123.0	60.0	26	38.5	116	09.0	AX	75	07	10	0858	214	751	2.85	25.0	15	93
127.0	32.6	26	58.0	114	01.0	AX	75	07	11	0737	11	83	1.27	100.0	3	24
127.0	33.0	26	57.5	114	02.2	AX	75	07	11	0658	59	218	2.72	100.0	8	72
127.0	34.0	26	55.5	114	06.0	AX	75	07	11	0608	54	208	2.57	100.0	43	150
127.0	35.0	26	53.1	114	10.7	AX	75	07	11	0501	67	285	2.34	100.0	12	386
127.0	36.0	26	50.5	114	13.8	AX	75	07	11	0352	213	744	2.86	25.0	18	105
127.0	40.0	26	43.3	114	29.2	AX	75	07	11	0123	218	750	2.90	25.0	23	20
127.0	45.0	26	33.7	114	48.3	AX	75	07	10	2212	215	790	2.72	25.0	27	86
127.0	50.0	26	26.7	115	06.0	AX	75	07	10	1915	206	803	2.56	100.0	87	174
127.0	60.0	26	04.5	115	44.5	AX	75	07	10	1426	210	780	2.69	25.0	13	65
130.0	25.6	26	37.8	113	11.7	AX	75	07	11	1259	19	98	1.95	100.0	0	49
130.0	26.0	26	37.0	113	13.1	AX	75	07	06	1332	19	108	1.78	100.0	1	160
130.0	27.0	26	35.0	113	17.0	AX	75	07	11	1422	40	186	2.14	100.0	1	40
130.0	28.0	26	32.3	113	21.7	AX	75	07	11	1501	42	183	2.31	100.0	1	2
130.0	29.0	26	31.0	113	25.0	AX	75	07	11	1546	51	225	2.28	100.0	4	3
130.0	30.0	26	29.1	113	29.2	AX	75	07	11	1642	58	236	2.45	25.0	1	318
130.0	35.0	26	18.8	113	48.4	AX	75	07	11	1920	220	768	2.86	25.0	15	164
130.0	40.0	26	08.8	114	07.2	AX	75	07	11	2249	214	741	2.89	25.0	113	64
130.0	50.0	25	49.1	114	45.8	AX	75	07	12	0434	209	814	2.57	100.0	378	141
130.0	60.0	25	28.6	115	21.7	AX	75	07	12	0945	218	776	2.81	100.0	72	66
133.0	20.6	26	13.3	112	31.0	AX	75	07	14	0742	20	80	2.48	25.0	88	248
133.0	21.0	26	12.5	112	32.5	AX	75	07	14	0706	42	161	2.61	25.0	77	188
133.0	22.0	26	10.6	112	36.7	AX	75	07	14	0613	49	208	2.36	100.0	19	68
133.0	23.0	26	08.7	117	40.2	AX	75	07	14	0518	55	222	2.48	100.0	35	133
133.0	24.0	26	06.5	112	44.2	AX	75	07	14	0418	73	267	2.73	25.0	102	103
133.0	25.0	26	04.0	112	47.7	AX	75	07	14	0315	75	225	3.35	25.0	17	17
133.0	30.0	25	55.0	113	06.5	AX	75	07	14	0021	207	825	2.51	25.0	9	111
133.0	35.0	25	44.4	113	26.5	AX	75	07	13	2143	214	629	3.40	100.0	177	37
133.0	40.0	25	41.4	113	45.7	AX	75	07	13	1852	208	775	2.68	100.0	53	52
133.0	50.0	25	15.5	114	27.5	AX	75	07	12	2019	212	782	2.71	25.0	15	90
133.0	60.0	24	56.7	115	03.5	AX	75	07	12	1423	211	790	2.68	100.0	72	66

TABLE 1. (cont.)

CalCOFI Cruise 7507

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
137.0	20.7	25	38.5	112	09.9	AX	75	07	14	1146	13	88	1.44	100.0	91	2160
137.0	22.0	25	36.0	112	14.7	AX	75	07	14	1248	32	150	2.16	100.0	492	1637
137.0	23.0	25	34.0	112	18.7	AX	75	07	14	1344	60	256	2.35	100.0	30	73
137.0	24.0	25	31.8	112	22.8	AX	75	07	14	1441	76	286	2.66	25.0	53	18
137.0	30.0	25	20.0	112	45.6	AX	75	07	14	1756	204	804	2.54	25.0	34	11
137.0	35.0	25	10.0	113	04.5	AX	75	07	14	2110	203	632	3.21	25.0	71	101
137.0	40.0	25	00.0	113	23.5	AX	75	07	15	0034	209	764	2.74	25.0	45	81
137.0	50.0	24	40.0	114	02.0	AX	75	07	15	0526	209	732	2.85	100.0	96	41
137.0	60.0	24	20.0	114	39.5	AX	75	07	15	1119	214	772	2.77	100.0	32	397

TABLE 1. (cont.)

CalCOFI Cruise 7510

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
97.0	28.8	32 18.0	117 04.0	AX	75 10 27	0415	26	157	1.65	25.0	41	63
97.0	29.0	32 17.5	117 04.8	AX	75 10 27	0343	41	205	1.99	25.0	171	45
97.0	30.0	32 15.9	117 07.1	AX	75 10 27	0309	47	199	2.36	25.0	141	44
97.0	31.0	32 12.2	117 13.0	AX	75 10 27	0202	207	756	2.74	25.0	104	6
97.0	32.0	32 12.0	117 15.1	AX	75 10 27	0123	212	744	2.85	25.0	44	16
97.0	35.0	32 05.8	117 27.6	AX	75 10 26	2232	210	745	2.82	25.0	17	5
97.0	40.0	31 56.5	117 48.5	AX	75 10 26	1845	210	796	2.63	25.0	32	1
97.0	45.0	31 46.7	118 08.8	AX	75 10 26	1423	206	790	2.61	100.0	54	5
97.0	50.0	31 36.2	118 30.5	AX	75 10 26	1134	213	762	2.79	100.0	6	5
97.0	55.0	31 26.2	118 50.1	AX	75 10 26	0759	201	837	2.40	100.0	6	10
97.0	60.0	31 16.2	119 10.2	AX	75 10 26	0457	201	778	2.58	25.0	5	4
97.0	70.0	30 54.8	119 51.0	AX	75 10 25	2254	218	692	3.15	100.0	15	17
97.0	80.0	30 34.1	120 33.1	AX	75 10 25	1735	220	711	3.09	100.0	4	10
97.0	90.0	30 14.7	121 09.8	AX	75 10 25	1159	216	735	2.94	100.0	23	24
100.0	29.0	31 42.2	116 43.5	AX	75 10 23	1415	108	382	2.82	25.0	20	21
100.0	30.0	31 40.4	116 46.7	AX	75 10 23	1538	218	717	3.03	100.0	106	20
100.0	31.0	31 38.5	116 50.7	AX	75 10 23	1639	103	374	2.76	100.0	10	55
100.0	32.0	31 36.5	116 54.8	AX	75 10 23	1730	214	736	2.91	25.0	2	3
100.0	35.0	31 30.5	117 07.0	AX	75 10 23	2011	207	777	2.66	25.0	20	3
100.0	40.0	31 20.5	117 27.0	AX	75 10 24	0011	210	755	2.78	25.0	13	1
100.0	50.0	30 59.0	118 05.0	AX	75 10 24	0600	210	763	2.75	25.0	6	3
100.0	60.0	30 38.9	118 47.5	AX	75 10 24	1145	208	785	2.65	100.0	44	944
100.0	70.0	30 20.5	119 27.5	AX	75 10 24	1725	222	723	3.07	100.0	17	11
100.0	80.0	30 01.3	120 06.0	AX	75 10 24	2258	204	751	2.71	100.0	46	22
100.0	90.0	29 42.0	120 43.7	AX	75 10 25	0415	215	801	2.69	100.0	95	50
103.0	28.8	31 07.3	116 20.0	AX	75 10 22	1734	14	98	1.45	100.0	30	661
103.0	29.0	31 07.0	116 21.3	AX	75 10 22	1704	22	135	1.64	100.0	48	316
103.0	30.0	31 06.0	116 24.2	AX	75 10 22	1625	46	214	2.13	25.0	40	24
103.0	31.0	31 03.6	116 29.4	AX	75 10 22	1516	96	368	2.62	25.0	1	6
103.0	32.0	31 02.0	116 32.5	AX	75 10 22	1422	212	748	2.83	25.0	1	3
103.0	35.0	30 56.6	116 45.0	AX	75 10 22	1231	215	745	2.88	25.0	3	1
103.0	40.0	30 46.3	117 03.8	AX	75 10 22	0451	205	779	2.63	25.0	8	1
103.0	45.0	30 36.0	117 23.8	AX	75 10 22	0055	203	764	2.65	25.0	11	1
103.0	50.0	30 26.5	117 43.0	AX	75 10 21	2219	208	770	2.70	25.0	12	3
103.0	60.0	30 06.4	118 24.5	AX	75 10 21	1507	209	777	2.69	100.0	34	15
103.0	70.0	29 48.1	119 04.2	AX	75 10 21	0952	174	927	1.88	100.0	29	59
103.0	80.0	29 26.6	119 44.0	AX	75 10 21	0440	208	808	2.58	100.0	99	17
103.0	90.0	29 07.1	120 23.2	AX	75 10 20	2240	213	782	2.72	100.0	111	125
107.0	30.3	30 29.1	116 03.9	AX	75 10 18	2125	10	98	1.07	100.0	2	522
107.0	30.6	30 28.4	116 05.4	AX	75 10 18	2153	19	104	1.84	100.0	36	198
107.0	31.0	30 27.5	116 07.0	AX	75 10 18	2220	40	181	2.21	25.0	20	78
107.0	32.0	30 25.7	116 11.1	AX	75 10 18	2342	201	755	2.66	25.0	28	39
107.0	33.0	30 23.8	116 15.2	AX	75 10 19	0043	212	715	2.96	25.0	20	8
107.0	34.0	30 21.5	116 19.2	AX	75 10 19	0140	205	737	2.77	100.0	32	13

TABLE 1. (cont.)

CalCOFI Cruise 7510

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
107.0	35.0	30	20.8	116	22.8	AX	75	10	19	0352	211	776	2.72	25.0	10	2
107.0	40.0	30	11.0	116	42.0	AX	75	10	19	0720	207	789	2.63	100.0	15	10
107.0	50.0	29	50.5	117	23.0	AX	75	10	19	1806	207	769	2.68	100.0	32	16
107.0	60.0	29	30.9	118	02.1	AX	75	10	19	2348	206	803	2.57	100.0	39	12
107.0	70.0	29	11.0	118	41.0	AX	75	10	20	0547	205	808	2.53	100.0	68	71
107.0	80.0	28	52.3	119	18.9	AX	75	10	20	1103	208	788	2.64	100.0	60	34
107.0	90.0	28	32.0	119	58.5	AX	75	10	20	1644	219	784	2.79	100.0	36	17
110.0	31.7	29	52.5	115	47.3	AX	75	10	18	1624	16	70	2.27	100.0	4	129
110.0	32.4	29	51.7	115	49.0	AX	75	10	18	1554	22	100	2.19	25.0	17	8
110.0	33.0	29	50.0	115	52.0	AX	75	10	18	1510	74	313	2.36	25.0	16	25
110.0	34.0	29	48.8	115	55.6	AX	75	10	18	1409	201	780	2.58	100.0	30	23
110.0	35.0	29	46.0	116	00.0	AX	75	10	18	1304	214	727	2.94	100.0	46	5
110.0	40.0	29	36.5	116	19.6	AX	75	10	18	0933	211	736	2.86	100.0	11	16
110.0	45.0	29	26.5	116	39.5	AX	75	10	18	0455	186	850	2.19	25.0	5	0
110.0	50.0	29	16.5	116	59.5	AX	75	10	18	0150	205	766	2.68	25.0	13	0
110.0	55.0	29	06.1	117	20.0	AX	75	10	17	2210	212	744	2.84	25.0	4	2
110.0	60.0	28	56.8	117	38.2	AX	75	10	17	1928	207	792	2.61	25.0	8	0
110.0	70.0	28	36.7	118	18.0	AX	75	10	17	1320	211	738	2.86	100.0	10	40
110.0	80.0	28	15.0	118	59.7	AX	75	10	17	0713	216	736	2.94	100.0	22	25
113.0	28.8	29	25.0	115	12.7	AX	75	10	15	1750	16	130	1.26	100.0	46	174
113.0	29.0	29	24.5	115	13.7	AX	75	10	15	1815	27	142	1.88	25.0	15	20
113.0	30.0	29	21.8	115	17.8	AX	75	10	15	1912	58	224	2.58	25.0	56	34
113.0	31.0	29	20.2	115	21.8	AX	75	10	15	1954	68	256	2.66	25.0	84	62
113.0	32.0	29	18.9	115	25.6	AX	75	10	15	2036	93	326	2.85	25.0	70	30
113.0	35.0	29	11.6	115	37.8	AX	75	10	15	2325	204	738	2.77	25.0	39	10
113.0	40.0	29	02.0	115	57.3	AX	75	10	16	0245	212	736	2.88	25.0	15	0
113.0	45.0	28	51.0	116	18.0	AX	75	10	16	0530	214	760	2.82	25.0	9	1
113.0	50.0	28	41.5	116	37.3	AX	75	10	16	0947	214	765	2.79	100.0	21	12
113.0	60.0	28	21.6	117	16.5	AX	75	10	16	1445	209	746	2.80	25.0	7	1
113.0	70.0	28	01.8	117	55.0	AX	75	10	16	2028	211	741	2.85	100.0	36	11
113.0	80.0	27	42.0	118	33.2	AX	75	10	16	0132	219	719	3.04	100.0	139	30
117.0	25.0	28	58.0	114	37.0	AX	75	10	15	0558	46	218	2.08	100.0	204	223
117.0	26.0	28	55.7	114	41.3	AX	75	10	15	0645	104	374	2.78	100.0	75	207
117.0	27.0	28	54.0	114	45.0	AX	75	10	15	0735	74	303	2.44	100.0	63	129
117.0	28.0	28	52.1	114	49.0	AX	75	10	15	0820	83	331	2.50	100.0	33	251
117.0	30.0	28	48.1	114	56.7	AX	75	10	15	0955	76	311	2.43	100.0	639	529
117.0	35.0	28	38.2	115	16.2	AX	75	10	15	1238	195	754	2.59	25.0	4	2
117.0	40.0	28	27.5	115	35.1	AX	75	10	13	2040	226	742	3.04	25.0	6	3
117.0	45.0	28	18.0	115	56.0	AX	75	10	13	1658	210	796	2.64	25.0	14	5
117.0	50.0	27	07.8	116	15.0	AX	75	10	13	1410	222	747	2.97	25.0	3	2
117.0	60.0	27	49.8	116	54.2	AX	75	10	13	0700	191	846	2.26	100.0	17	34
117.0	70.0	27	27.7	117	32.5	AX	75	10	13	0116	228	697	3.26	100.0	156	100
117.0	80.0	27	05.0	118	09.2	AX	75	10	12	1955	197	833	2.35	100.0	61	102
118.0	39.0	28	18.6	115	23.8	AX	75	10	13	2305	198	789	2.51	25.0	14	10
119.0	33.0	28	19.0	114	53.0	AX	75	10	14	0305	109	300	3.62	100.0	99	982

TABLE 1. (cont.)

CalCOFI Cruise 7510

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
120.0	22.4	28	28.2	114	04.4	AX	75	10	15	0112	9	23	3.67	100.0	37	308
120.0	22.7	28	27.6	114	05.5	AX	75	10	15	0054	9	31	2.94	100.0	39	425
120.0	23.0	28	26.8	114	06.8	AX	75	10	15	0029	15	62	2.45	100.0	38	820
120.0	24.0	28	25.1	114	10.7	AX	75	10	14	2342	22	86	2.55	100.0	89	574
120.0	25.0	28	22.8	114	15.2	AX	75	10	14	2243	51	214	2.38	100.0	156	153
120.0	26.0	28	21.2	114	18.3	AX	75	10	14	2154	71	266	2.66	100.0	6	350
120.0	30.0	28	13.0	114	34.0	AX	75	10	14	1949	67	268	2.49	100.0	215	446
120.0	35.0	28	03.0	114	54.3	AX	75	10	14	0548	66	317	2.07	100.0	297	1732
120.0	40.0	27	56.5	115	14.0	AX	75	10	11	1112	26	136	1.94	100.0	1087	326
120.0	45.0	27	43.0	115	33.0	AX	75	10	11	1632	223	686	3.24	25.0	90	41
120.0	50.0	27	33.0	115	52.3	AX	75	10	11	2015	201	812	2.48	25.0	45	5
120.0	60.0	27	13.3	116	31.0	AX	75	10	12	0145	212	752	2.82	25.0	27	15
120.0	70.0	26	56.0	117	10.0	AX	75	10	12	0820	215	718	2.99	100.0	32	20
120.0	80.0	26	32.5	117	49.0	AX	75	10	12	1342	208	761	2.73	100.0	69	230
123.0	35.7	27	26.7	114	35.0	AX	75	10	10	1122	21	98	2.07	100.0	46	88
123.0	36.0	27	26.2	114	35.7	AX	75	10	10	1050	45	170	2.64	25.0	22	39
123.0	37.0	27	24.5	114	40.0	AX	75	10	10	1003	59	262	2.26	25.0	34	19
123.0	38.0	27	22.2	114	45.0	AX	75	10	10	0857	68	289	2.34	25.0	19	179
123.0	39.0	27	20.8	114	47.7	AX	75	10	10	0811	96	331	2.89	25.0	16	242
123.0	42.0	27	06.0	115	03.8	AX	75	10	10	0524	210	777	2.71	25.0	16	3
123.0	45.0	27	08.0	115	11.5	AX	75	10	10	0300	216	732	2.95	25.0	16	0
123.0	50.0	26	58.0	115	31.0	AX	75	10	10	0020	203	742	2.74	25.0	32	5
123.0	60.0	26	34.5	116	10.0	AX	75	10	09	1810	219	707	3.10	100.0	226	31
127.0	32.6	26	58.0	114	01.2	AX	75	10	08	1753	28	129	2.11	25.0	87	195
127.0	33.0	26	57.5	114	02.2	AX	75	10	08	1815	68	243	2.78	25.0	79	70
127.0	34.0	26	55.6	114	06.1	AX	75	10	08	1932	68	250	2.69	25.0	58	66
127.0	35.0	26	53.2	114	10.7	AX	75	10	08	2028	89	249	3.55	25.0	34	240
127.0	36.0	26	51.0	114	14.6	AX	75	10	08	2120	183	782	2.33	25.0	61	26
127.0	40.0	26	43.9	114	29.4	AX	75	10	09	0027	212	594	3.57	25.0	31	21
127.0	45.0	26	33.8	114	49.0	AX	75	10	09	0308	208	718	2.89	25.0	14	24
127.0	50.0	26	23.9	115	09.8	AX	75	10	09	0653	216	729	2.96	25.0	7	27
127.0	60.0	26	03.5	115	46.8	AX	75	10	09	1212	207	730	2.83	25.0	7	12
130.0	25.6	26	37.9	113	11.7	AX	75	10	08	1154	16	65	2.43	100.0	35	168
130.0	26.0	26	37.1	113	13.2	AX	75	10	08	1124	21	99	2.15	100.0	39	213
130.0	27.0	26	35.5	113	17.3	AX	75	10	08	1035	27	129	2.08	100.0	119	322
130.0	28.0	26	33.7	113	22.1	AX	75	10	08	0947	46	215	2.14	100.0	50	467
130.0	29.0	26	31.9	113	25.7	AX	75	10	08	0850	52	239	2.19	100.0	21	123
130.0	30.0	26	30.2	113	29.3	AX	75	10	08	0758	55	233	2.33	100.0	0	11
130.0	35.0	26	19.0	113	49.2	AX	75	10	08	0452	221	749	2.95	25.0	19	8
130.0	40.0	26	09.0	114	07.0	AX	75	10	08	0212	210	749	2.81	25.0	32	5
130.0	50.0	25	49.1	114	44.9	AX	75	10	07	2000	219	770	2.84	100.0	82	45
130.0	60.0	25	28.2	115	26.5	AX	75	10	07	1414	208	744	2.79	100.0	52	81
133.0	20.6	26	13.3	112	31.0	AX	75	10	06	0332	16	123	1.29	25.0	222	265
133.0	21.0	26	12.6	112	32.5	AX	75	10	06	0405	32	209	1.54	100.0	326	864
133.0	22.0	26	10.4	112	36.6	AX	75	10	06	0451	61	327	1.87	100.0	33	227

TABLE 1. (cont.)

CalCOFI Cruise 7510

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
133.0	23.0	26	08.5	112	40.3	AX	75	10	06	0542	72	267	2.68	100.0	16	58
133.0	24.0	26	06.7	112	44.6	AX	75	10	06	0620	84	349	2.41	100.0	2	282
133.0	25.0	26	04.6	112	48.0	AX	75	10	06	0728	51	314	1.62	100.0	1	8
133.0	30.0	25	54.4	113	07.4	AX	75	10	06	1020	210	758	2.76	25.0	2	2
133.0	35.0	25	44.5	113	26.5	AX	75	10	06	1240	212	744	2.84	25.0	16	155
133.0	40.0	25	34.5	113	45.5	AX	75	10	06	0810	217	684	3.18	25.0	6	17
133.0	50.0	25	14.5	114	24.0	AX	75	10	07	0158	208	738	2.81	25.0	43	11
133.0	60.0	24	54.5	115	02.0	AX	75	10	07	0755	221	723	3.06	100.0	13	73
137.0	20.7	25	40.2	112	09.4	AX	75	10	05	2331	14	72	1.89	100.0	599	726
137.0	22.0	25	36.3	112	14.9	AX	75	10	05	2023	33	159	2.06	100.0	749	364
137.0	23.0	25	34.6	112	19.0	AX	75	10	05	2140	49	189	2.57	100.0	44	230
137.0	24.0	25	32.6	112	23.2	AX	75	10	05	2042	68	235	2.87	25.0	1	60
137.0	30.0	25	22.9	112	44.3	AX	75	10	05	1755	177	616	2.87	25.0	5	2
137.0	35.0	25	10.0	113	04.5	AX	75	10	05	1433	209	755	2.76	25.0	1	7
137.0	40.0	25	00.5	113	21.2	AX	75	10	05	1204	203	805	2.52	25.0	3	19
137.0	50.0	24	38.0	114	01.8	AX	75	10	05	0535	221	701	3.15	100.0	17	65
137.0	60.0	24	19.2	114	45.2	AX	75	10	05	0013	212	688	3.08	100.0	59	62

TABLE 1. (cont.)

CalCOFI Cruise 7511

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	50.0	37 57.4	122 53.2	JD	75 11 14	0330	35	138	2.53	25.0	25	58
60.0	52.0	37 52.5	123 03.9	JD	75 11 14	0215	72	224	3.20	25.0	5	78
60.0	55.0	37 47.5	123 15.0	JD	75 11 14	0030	85	289	2.95	25.0	3	9
60.0	60.0	37 37.0	123 37.0	JD	75 11 13	2155	209	632	3.31	25.0	8	2
60.0	65.0	37 27.0	124 00.0	JD	75 11 13	1900	207	696	2.97	25.0	0	3
60.0	70.0	37 16.8	124 21.0	JD	75 11 13	1620	214	762	2.80	25.0	2	6
63.0	50.0	37 23.0	122 28.0	JD	75 11 12	2300	20	98	2.05	25.0	2	18
63.0	52.0	37 19.0	122 36.0	JD	75 11 13	0010	78	252	3.09	25.0	5	39
63.0	55.0	37 12.5	122 49.6	JD	75 11 13	0200	214	702	3.04	25.0	0	6
63.0	60.0	37 03.0	123 10.0	JD	75 11 13	0505	212	670	3.16	25.0	7	5
63.0	65.0	36 53.0	123 33.0	JD	75 11 13	0730	208	669	3.11	25.0	4	5
63.0	70.0	36 43.0	123 54.0	JD	75 11 13	1110	208	792	2.63	25.0	3	2
66.0	49.0	36 53.0	122 01.7	JD	75 11 12	1850	49	198	2.45	100.0	42	209
67.0	50.0	36 48.0	122 05.5	JD	75 11 12	1805	92	350	2.63	25.0	8	10
67.0	55.0	36 39.1	122 26.0	JD	75 11 12	1525	214	738	2.90	25.0	3	5
67.0	60.0	36 28.0	122 47.0	JD	75 11 12	1225	213	752	2.83	25.0	5	0
67.0	65.0	36 18.0	123 09.0	JD	75 11 12	0830	210	761	2.76	25.0	5	20
67.0	70.0	36 08.0	123 29.0	JD	75 11 12	0610	212	779	2.72	25.0	3	4
70.0	51.0	36 11.3	121 43.9	JD	75 11 11	1230	211	795	2.66	25.0	6	0
70.0	53.0	36 06.5	121 53.9	JD	75 11 11	1445	221	759	2.90	25.0	11	25
70.0	60.0	35 53.0	122 22.5	JD	75 11 11	1855	207	822	2.52	25.0	16	4
70.0	65.0	35 43.0	122 45.0	JD	75 11 11	2120	211	766	2.76	25.0	15	1
70.0	70.0	35 33.0	123 06.0	JD	75 11 12	0025	209	779	2.68	25.0	4	9
70.0	80.0	35 13.0	123 48.0	JD	75 11 08	0345	219	751	2.92	25.0	1	1
70.0	90.0	34 53.0	124 30.0	JD	75 11 07	2210	214	743	2.88	100.0	5	4
73.0	50.0	35 37.0	121 17.0	JD	75 11 06	1830	100	379	2.65	25.0	0	0
73.0	53.0	35 31.5	121 28.5	JD	75 11 06	2035	216	760	2.84	25.0	10	45
73.0	60.0	35 18.0	121 58.0	JD	75 11 07	0055	218	708	3.08	25.0	5	5
73.0	65.0	35 08.0	122 18.0	JD	75 11 07	0325	217	762	2.85	25.0	4	2
73.0	70.0	34 58.0	122 41.0	JD	75 11 07	0640	216	767	2.81	25.0	5	4
73.0	80.0	34 39.0	123 22.0	JD	75 11 07	1145	215	767	2.81	100.0	1	16
73.0	90.0	34 18.3	124 03.0	JD	75 11 07	1650	217	745	2.92	100.0	18	12
77.0	48.0	35 08.1	120 43.5	JD	75 11 06	1345	21	89	2.33	100.0	2	586
77.0	51.0	35 02.0	120 56.5	JD	75 11 06	1155	216	734	2.94	25.0	10	5
77.0	55.0	34 54.0	121 13.0	JD	75 11 06	0915	200	758	2.64	25.0	6	1
77.0	60.0	34 43.5	121 34.0	JD	75 11 06	0615	209	783	2.67	25.0	3	14
77.0	65.0	34 34.0	121 55.0	JD	75 11 06	0250	216	755	2.85	25.0	1	5
77.0	70.0	34 24.0	122 16.0	JD	75 11 06	0020	218	750	2.90	25.0	0	1
77.0	80.0	34 03.0	122 56.5	JD	75 11 05	1925	212	747	2.84	25.0	4	1
77.0	90.0	33 44.0	123 38.0	JD	75 11 05	1340	214	761	2.81	100.0	12	95
80.0	50.1	34 28.0	120 29.0	JD	75 11 04	0745	13	75	1.74	100.0	19	11
80.0	51.0	34 26.0	120 32.5	JD	75 11 04	0840	92	349	2.62	100.0	34	44
80.0	52.0	34 24.8	120 35.8	JD	75 11 04	0940	210	760	2.75	25.0	16	22
80.0	53.0	34 22.6	120 40.0	JD	75 11 04	1050	208	776	2.68	25.0	5	14

TABLE 1. (cont.)

CalCOFI Cruise 7511

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
80.0	54.0	34	21.0	120	44.5	JD	75	11	04	1200	216	704	3.06	25.0	5	12
80.0	55.0	34	18.8	120	48.2	JD	75	11	04	1325	214	749	2.85	25.0	2	16
80.0	60.0	34	08.8	121	09.0	JD	75	11	04	1730	210	776	2.71	25.0	16	2
80.0	70.0	33	48.5	121	51.0	JD	75	11	04	2245	209	770	2.72	25.0	6	1
80.0	80.0	33	28.2	122	31.7	JD	75	11	05	0320	215	766	2.81	25.0	2	4
80.0	90.0	33	09.0	123	13.0	JD	75	11	05	0840	203	808	2.51	100.0	6	18
81.5	43.5	34	24.1	119	47.8	JD	75	10	26	0150	28	108	2.60	100.0	63	155
81.5	44.0	34	23.1	119	49.9	JD	75	10	26	0255	57	195	2.90	100.0	72	28
81.5	44.5	34	22.1	119	52.0	JD	75	10	26	0405	68	319	2.13	100.0	71	49
81.5	45.0	34	21.1	119	54.0	JD	75	10	26	0525	210	770	2.72	25.0	20	22
81.5	46.0	34	19.2	119	58.2	JD	75	10	26	0730	202	764	2.64	25.0	13	22
81.5	47.0	34	17.0	120	02.5	JD	75	10	26	0945	209	734	2.84	25.0	13	22
83.0	39.4	34	14.6	119	19.4	JD	75	10	25	1300	14	67	2.04	100.0	13	2
83.0	40.6	34	12.5	119	24.4	JD	75	10	25	1425	43	164	2.61	100.0	44	118
83.0	41.0	34	11.5	119	26.0	JD	75	10	25	1530	57	209	2.73	100.0	136	121
83.0	42.0	34	09.6	119	30.0	JD	75	10	25	1705	173	613	2.81	25.0	16	45
83.0	43.0	34	08.0	119	34.0	JD	75	10	25	1650	212	721	2.94	25.0	46	39
83.0	44.0	34	05.6	119	38.2	JD	75	10	25	2020	111	481	2.30	25.0	10	114
83.0	44.7	34	04.2	119	41.0	JD	75	10	25	2135	66	306	2.16	25.0	24	74
83.0	45.0	34	03.6	119	42.5	JD	75	10	25	2245	74	286	2.59	25.0	11	63
83.0	48.0	33	57.8	119	55.1	JD	75	10	26	1215	139	482	2.89	25.0	25	26
83.0	49.0	33	55.5	119	59.1	JD	75	10	26	1315	20	88	2.29	100.0	52	395
83.0	50.0	33	53.8	120	03.6	JD	75	10	26	1400	21	87	2.43	100.0	57	121
83.0	51.0	33	52.1	120	08.5	JD	75	10	26	1455	179	562	3.18	100.0	49	117
83.0	55.0	33	44.0	120	24.4	JD	75	10	26	1720	209	662	3.16	25.0	9	13
83.0	60.0	33	34.0	120	45.0	JD	75	10	26	2250	212	710	2.99	25.0	10	2
83.0	80.0	33	54.0	122	08.0	JD	75	10	27	0915	205	726	2.83	100.0	21	25
83.0	90.0	32	34.0	122	47.0	JD	75	10	27	1410	214	754	2.84	100.0	10	6
85.0	37.2	34	02.5	118	59.0	JD	75	10	25	0415	42	171	2.45	100.0	95	199
85.0	37.5	34	02.1	118	59.7	JD	75	10	25	0520	68	281	2.43	100.0	295	240
85.0	38.0	34	01.0	119	02.5	JD	75	10	25	0635	203	736	2.76	25.0	48	141
85.0	39.0	33	59.0	119	06.3	JD	75	10	25	0820	213	676	3.15	25.0	42	6
85.0	40.0	33	57.0	119	10.5	JD	75	10	25	1015	215	729	2.94	25.0	49	8
87.0	32.5	33	53.5	118	26.4	JD	75	10	24	1655	14	66	2.10	100.0	19	424
87.0	32.7	33	54.5	118	28.0	JD	75	10	24	1805	18	106	1.70	100.0	27	795
87.0	33.0	33	53.9	118	29.0	JD	75	10	24	1910	40	179	2.25	25.0	17	161
87.0	34.0	33	52.0	118	33.2	JD	75	10	24	2145	83	315	2.64	100.0	81	167
87.0	35.0	33	50.0	118	37.5	JD	75	10	24	2325	211	726	2.91	25.0	44	119
87.0	36.0	33	49.0	118	40.0	JD	75	10	25	0110	212	716	2.96	25.0	42	12
87.0	40.0	33	40.0	118	58.2	JD	75	10	29	0205	212	642	3.30	25.0	65	5
87.0	45.0	33	29.0	119	19.0	JD	75	10	28	2220	206	646	3.19	25.0	59	13
87.0	50.0	33	20.0	119	39.5	JD	75	10	28	1925	64	180	3.54	25.0	19	6
87.0	55.0	33	10.0	120	00.0	JD	75	10	28	1520	212	631	3.35	25.0	11	4
87.0	60.0	33	00.0	120	21.5	JD	75	10	28	1245	213	684	3.11	25.0	0	4
87.0	70.0	32	39.0	121	02.5	JD	75	10	28	0710	212	746	2.85	100.0	14	10

TABLE 1. (cont.)

CalCOFI Cruise 7511

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
87.0	80.0	32	19.5	121	42.0	JD	75	10	28	0120	218	718	3.03	100.0	38	8
87.0	90.0	32	00.0	122	24.0	JD	75	10	27	1945	218	792	2.75	100.0	18	5
88.5	30.4	33	41.4	118	07.1	JD	75	10	24	1000	13	65	2.04	100.0	17	224
88.5	31.0	33	40.3	118	09.4	JD	75	10	24	0850	21	94	2.25	100.0	89	636
88.5	32.0	33	38.3	118	13.5	JD	75	10	24	0743	35	128	2.68	100.0	122	60
88.5	33.0	33	36.3	118	17.6	JD	75	10	24	0615	210	715	2.93	25.0	90	3
88.5	34.0	33	34.3	118	21.9	JD	75	10	24	0425	210	690	3.04	25.0	67	9
90.0	27.6	33	29.3	117	45.5	JD	75	10	23	2353	35	138	2.51	100.0	356	68
90.0	28.0	33	28.5	117	46.5	JD	75	10	23	2303	97	355	2.73	100.0	153	16
90.0	29.0	33	27.0	117	49.5	JD	75	10	23	2140	211	708	2.97	25.0	63	9
90.0	30.0	33	25.0	117	53.5	JD	75	10	23	2004	204	710	2.87	25.0	141	8
90.0	31.0	33	23.0	117	57.7	JD	75	10	23	1817	213	740	2.88	100.0	39	4
90.0	32.0	33	21.0	118	01.5	JD	75	10	23	1630	206	732	2.81	100.0	21	8
90.0	37.0	33	11.0	118	22.5	JD	75	10	23	1315	210	727	2.88	25.0	26	31
90.0	45.0	32	54.5	118	55.5	JD	75	11	02	2225	209	738	2.83	25.0	55	4
90.0	53.0	32	39.0	119	28.6	JD	75	11	02	1735	219	731	2.99	25.0	2	0
90.0	60.0	32	24.5	119	57.0	JD	75	11	02	1345	215	741	2.90	25.0	3	2
90.0	70.0	32	04.5	120	38.0	JD	75	11	02	0825	205	725	2.83	100.0	33	9
90.0	80.0	31	45.0	121	19.5	JD	75	11	02	0315	214	772	2.77	100.0	55	11
90.0	90.0	31	24.0	122	01.0	JD	75	11	01	2105	207	774	2.68	100.0	88	23
91.5	26.5	33	14.5	117	27.7	JD	75	10	21	1943	13	77	1.65	100.0	29	290
91.5	26.8	33	14.0	117	29.0	JD	75	10	21	2045	58	209	2.76	100.0	69	129
91.5	28.0	33	11.7	117	34.0	JD	75	10	21	2221	211	732	2.88	25.0	84	0
91.5	29.0	33	09.7	117	38.0	JD	75	10	22	0000	213	695	3.06	25.0	104	5
91.5	30.0	33	07.7	117	42.2	JD	75	10	22	0145	212	701	3.02	25.0	95	10
93.0	26.7	32	57.2	117	17.4	JD	75	10	21	1630	21	131	1.60	100.0	46	124
93.0	26.9	32	56.8	117	18.3	JD	75	10	21	1107	71	256	2.78	25.0	20	16
93.0	28.0	32	54.7	117	21.8	JD	75	10	21	0943	211	726	2.90	100.0	74	27
93.0	29.0	32	52.7	117	26.6	JD	75	10	21	0803	212	712	2.97	100.0	81	76
93.0	30.0	32	50.5	117	31.0	JD	75	10	21	0605	209	741	2.81	100.0	427	60
93.0	35.0	32	40.8	117	52.4	JD	75	10	22	0500	206	750	2.75	25.0	61	12
93.0	40.0	32	30.0	118	11.5	JD	75	10	22	0850	212	735	2.88	25.0	37	13
93.0	45.0	32	20.0	118	32.0	JD	75	10	22	1115	209	765	2.73	25.0	3	2
93.0	50.0	32	10.0	118	52.5	JD	75	10	22	1520	207	768	2.70	100.0	3	4
93.0	55.0	32	00.0	119	13.5	JD	75	10	22	1825	194	839	2.32	25.0	5	2
93.0	60.0	31	50.0	119	34.0	JD	75	11	01	0040	215	781	2.75	100.0	22	7
93.0	70.0	31	30.0	120	14.0	JD	75	11	01	0525	211	768	2.75	100.0	11	6
93.0	80.0	31	10.0	120	54.0	JD	75	11	01	1035	209	800	2.60	100.0	7	10
93.0	90.0	30	50.5	121	34.5	JD	75	11	01	1535	214	739	2.89	100.0	6	15
95.0	28.0	32	37.2	117	10.6	JD	75	10	20	1735	14	65	2.14	100.0	3	252
95.0	29.0	32	35.2	117	14.5	JD	75	10	20	1916	33	165	1.96	100.0	175	391
95.0	30.0	32	33.2	117	18.5	JD	75	10	20	2042	113	572	1.98	100.0	420	189
95.0	31.0	32	31.2	117	22.7	JD	75	10	20	2223	216	715	3.02	25.0	31	24
95.0	32.0	32	29.0	117	27.0	JD	75	10	21	2359	215	726	2.96	25.0	46	8

TABLE 1. (cont.)

CalCOFI Cruise 7512

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
83.0	39.4	34	14.7	119	19.4	JD	75	12	12	1844	7	56	1.27	100.0	45	42
83.0	41.0	34	11.5	119	26.0	JD	75	12	12	1715	65	227	2.86	100.0	20	100
83.0	42.0	34	09.6	119	30.0	JD	75	12	12	1515	230	678	3.39	25.0	32	25
83.0	43.0	34	08.0	119	34.0	JD	75	12	12	1350	224	664	3.37	25.0	26	31
83.0	44.0	34	05.6	119	38.2	JD	75	12	12	1235	168	527	3.18	25.0	30	29
83.0	45.0	34	03.6	119	42.2	JD	75	12	12	1115	70	236	2.95	25.0	8	15
83.0	48.0	33	58.0	119	55.0	JD	75	12	12	0820	171	504	3.39	25.0	13	9
83.0	49.0	33	55.6	119	59.1	JD	75	12	12	0715	13	94	1.37	100.0	56	47
83.0	50.0	33	53.6	120	03.4	JD	75	12	12	0609	21	85	2.44	100.0	39	45
83.0	51.0	33	52.0	120	08.5	JD	75	12	12	0445	140	434	3.23	25.0	39	16
83.0	55.0	33	44.0	120	24.5	JD	75	12	12	0215	210	703	2.98	25.0	36	33
83.0	60.0	33	34.0	120	45.0	JD	75	12	11	2328	212	730	2.90	25.0	28	20
87.0	32.5	33	53.5	118	26.4	JD	75	12	10	1920	13	70	1.84	100.0	21	396
87.0	32.7	33	54.5	118	28.0	JD	75	12	10	2021	29	101	2.83	100.0	6	154
87.0	33.0	33	54.0	118	29.0	JD	75	12	10	2111	28	102	2.74	100.0	4	491
87.0	34.0	33	52.0	118	33.0	JD	75	12	10	2218	57	191	2.97	100.0	26	39
87.0	35.0	33	50.0	118	37.5	JD	75	12	10	2336	214	630	3.40	100.0	243	22
87.0	36.0	33	48.5	118	40.0	JD	75	12	11	0145	214	630	3.39	25.0	87	7
87.0	40.0	33	40.0	118	58.0	JD	75	12	11	0415	209	688	3.04	25.0	55	284
87.0	45.0	33	30.0	119	19.0	JD	75	12	11	0710	211	647	3.25	25.0	54	19
87.0	50.0	33	20.0	119	39.5	JD	75	12	11	1035	63	229	2.74	25.0	23	3
87.0	55.0	33	10.0	120	00.0	JD	75	12	11	1325	216	671	3.22	25.0	15	40
87.0	60.0	33	00.0	120	21.5	JD	75	12	11	1838	210	659	3.18	100.0	32	81
88.5	30.4	33	41.4	118	07.1	JD	75	12	10	1325	7	46	1.53	100.0	4	530
88.5	31.0	33	43.3	118	09.4	JD	75	12	10	1415	14	58	2.45	100.0	3	399
88.5	32.0	33	38.3	118	13.5	JD	75	12	10	1515	15	56	2.68	100.0	12	432
88.5	33.0	33	36.3	118	17.6	JD	75	12	10	1630	186	560	3.31	25.0	38	43
88.5	34.0	33	34.3	118	21.8	JD	75	12	10	0645	211	587	3.60	25.0	20	78
90.0	27.6	33	29.3	117	45.5	JD	75	12	09	1715	28	116	2.43	100.0	50	96
90.0	28.0	33	28.5	117	46.7	JD	75	12	09	1854	212	672	3.15	100.0	101	119
90.0	29.0	33	27.0	117	49.5	JD	75	12	09	2052	211	633	3.33	25.0	56	71
90.0	30.0	33	25.0	117	53.5	JD	75	12	09	2255	204	614	3.31	25.0	47	108
90.0	31.0	33	23.0	117	57.7	JD	75	12	10	0115	214	663	3.22	25.0	36	126
90.0	32.0	33	20.5	118	03.3	JD	75	12	10	0330	214	604	3.53	25.0	32	152
90.0	37.0	33	11.0	118	22.5	JD	75	12	13	0315	217	702	3.08	25.0	50	125
90.0	45.0	32	54.5	118	55.5	JD	75	12	13	0745	215	705	3.05	25.0	22	115
91.5	26.5	33	14.7	117	27.7	JD	75	12	09	1440	7	49	1.47	100.0	2	83
91.5	26.8	33	14.0	117	29.5	JD	75	12	09	1340	43	159	2.67	100.0	55	76
91.5	28.0	33	11.7	117	34.0	JD	75	12	09	1145	215	683	3.14	100.0	109	95
91.5	29.0	33	09.7	117	38.0	JD	75	12	09	1012	210	662	3.17	100.0	86	312
91.5	30.0	33	07.7	117	42.2	JD	75	12	09	0825	211	708	2.98	100.0	57	455
93.0	26.7	32	57.0	117	17.5	JD	75	12	08	2315	27	118	2.32	100.0	210	14
93.0	26.9	32	58.8	117	18.3	JD	75	12	09	0035	93	317	2.93	100.0	56	29
93.0	28.0	32	54.7	117	21.8	JD	75	12	09	0150	213	717	2.97	25.0	17	0

TABLE 1. (cont.)

CalCOFI Cruise 7512

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
93.0	29.0	32	52.7	117	26.6	JD	75	12	09	0315	213	672	3.16	25.0	37	157
93.0	30.0	32	50.5	117	31.0	JD	75	12	09	0445	208	689	3.01	25.0	39	105
93.0	35.0	32	40.0	117	51.5	JD	75	12	14	1700	199	716	2.78	25.0	35	129
93.0	40.0	32	30.0	118	11.5	JD	75	12	14	1415	213	715	2.98	25.0	48	161
93.0	45.0	32	20.0	118	32.0	JD	75	12	14	1120	214	711	3.00	25.0	47	173
93.0	50.0	32	10.0	118	52.5	JD	75	12	13	1625	218	692	3.14	25.0	23	145

TABLE 2A. Pooled occurrences of fish larvae taken during CalCOFI cruises in 1974.

Rank	Taxon	Occurrences
1	*Engraulis mordax*	155
2	*Citharichthys* spp.	96
3	*Sebastes* spp.	94
4	Sternoptychidae	63
5	*Protomyctophum crockeri*	62
6	Sciaenidae	58
7	*Leuroglossus stilbius*	52
8	*Vinciguerria lucetia*	48
9	*Triphoturus mexicanus*	38
10	*Lampanyctus* spp.	35
11	*Citharichthys stigmaeus*	33
12	*Cyclothone* spp.	30
13	*Diogenichthys laternatus*	29
13	*Stenobrachius leucopsarus*	29
15	Disintegrated fish larva	27
16	*Tarletonbeania crenularis*	26
16	Gobiidae	26
18	*Paralichthys californicus*	25
19	*Diogenichthys atlanticus*	22
20	Unidentified fish larva	21
21	*Idiacanthus antrostomus*	18
22	*Lestidiops ringens*	16
22	*Merluccius productus*	16
24	*Bathylagus wesethi*	15
25	*Symbolophorus californiensis*	14
26	*Bathylagus ochotensis*	13
27	Myctophidae	12
28	*Lampanyctus ritteri*	11
28	*Sardinops sagax*	11
30	*Chauliodus macouni*	10
30	*Sebastes paucispinis*	10
30	Gonostomatidae	10
33	*Gonichthys tenuiculus*	9
33	*Melamphaes* spp.	9
33	*Stomias atriventer*	9
33	Clinidae	9
37	*Hippoglossina stomata*	8
37	*Nansenia crassa*	8
37	*Symphurus* spp.	8
37	*Microstoma microstoma*	8
37	*Tetragonurus cuvieri*	8
42	*Synodus* spp.	7
42	Trachipteridae	7
42	*Rosenblattichthys volucris*	7
45	*Ophidion scrippsae*	6
45	*Peprilus simillimus*	6
45	*Hypsoblennius* spp.	6
45	*Myctophum nitidulum*	6

TABLE 2A. (cont.)

Rank	Taxon	Occurrences
45	*Danaphos oculatus*	6
45	*Diogenichthys* spp.	6
45	*Argentina sialis*	6
45	*Icichthys lockingtoni*	6
45	*Hygophum atratum*	6
45	*Parophrys vetulus*	6
55	*Hypsopsetta guttulata*	5
55	*Ceratoscopelus townsendi*	5
55	Paralepididae	5
55	Cottidae	5
55	Chiasmodontidae	5
55	*Bathylagus milleri*	5
61	*Scopelogadus bispinosus*	4
61	*Xystreurys liolepis*	4
63	Atherinidae	3
63	*Syngnathus* spp.	3
63	*Macroramphosus gracilis*	3
63	*Scorpaenichthys marmoratus*	3
67	Anguilliformes	2
67	*Lampadena urophaos*	2
67	*Zaniolepis* spp.	2
67	*Pleuronichthys ritteri*	2
71	Ceratioidei	1
71	*Sebastolobus* spp.	1
71	*Pleuronichthys decurrens*	1
71	*Macropinna microstoma*	1
71	*Scopelosaurus* spp.	1
71	*Lepidopus xantusi*	1
71	Cyclopteridae	1
71	*Ichthyococcus* spp.	1
71	*Pleuronichthys* spp.	1
71	Agonidae	1
71	*Lampanyctus regalis*	1
71	Blennioidei	1
71	*Coryphaena hippurus*	1
71	*Microstomus pacificus*	1
71	*Sebastes jordani*	1
71	Stomiiformes	1
71	*Bathylagus* spp.	1
71	*Bathylagus pacificus*	1
71	*Pleuronichthys verticalis*	1
71	*Cololabis saira*	1

TABLE 2B. Pooled occurrences of fish larvae taken during CalCOFI cruises in 1975.

Rank	Taxon	Occurrences
1	*Engraulis mordax*	842
2	*Sebastes* spp.	560
3	*Leuroglossus stilbius*	363
4	*Citharichthys* spp.	357
5	*Stenobrachius leucopsarus*	351
6	*Triphoturus mexicanus*	342
7	*Protomyctophum crockeri*	299
8	*Merluccius productus*	279
9	*Bathylagus ochotensis*	273
10	Sciaenidae	260
11	Sternoptychidae	218
12	*Tarletonbeania crenularis*	215
13	Disintegrated fish larva	196
14	Unidentified fish larva	183
15	*Cyclothone* spp.	165
16	*Vinciguerria lucetia*	164
17	*Bathylagus wesethi*	156
18	*Lampanyctus* spp.	151
19	*Lampanyctus ritteri*	149
20	*Diogenichthys atlanticus*	141
21	*Citharichthys stigmaeus*	133
22	*Melamphaes* spp.	130
23	Gobiidae	121
24	*Symbolophorus californiensis*	120
25	*Trachurus symmetricus*	119
26	*Diogenichthys laternatus*	114
27	*Paralichthys californicus*	106
28	*Pleuronichthys verticalis*	100
29	*Hypsoblennius* spp.	82
30	Myctophidae	80
31	*Chauliodus macouni*	78
32	*Sebastes paucispinis*	73
33	*Diaphus* spp.	70
34	Clinidae	67
35	*Ceratoscopelus townsendi*	66
36	*Stomias atriventer*	59
36	*Argentina sialis*	59
38	Serranidae	55
39	*Peprilus simillimus*	54
40	*Sardinops sagax*	51
41	*Parophrys vetulus*	50
42	*Danaphos oculatus*	49
43	*Icichthys lockingtoni*	46
44	Cottidae	44
45	*Sebastes jordani*	42
46	*Synodus* spp.	41
46	*Bathylagus* spp.	41
48	*Microstoma microstoma*	40

TABLE 2B. (cont.)

Rank	Taxon	Occurrences
49	*Bathylagus pacificus*	39
49	*Lestidiops ringens*	39
51	*Hippoglossina stomata*	36
52	*Pleuronichthys ritteri*	33
53	*Idiacanthus antrostomus*	30
54	*Lampanyctus regalis*	29
55	*Symphurus* spp.	26
55	*Halichoeres* spp.	26
55	*Nansenia candida*	26
58	*Rosenblattichthys volucris*	23
58	*Zaniolepis* spp.	23
58	*Oxyjulis californica*	23
58	*Sebastolobus* spp.	23
62	*Myctophum nitidulum*	22
62	*Chromis punctipinnis*	22
64	*Sebastes macdonaldi*	21
65	*Lyopsetta exilis*	20
66	*Scopelarchus* spp.	19
67	Trachipteridae	18
67	*Ophidion scrippsae*	18
67	*Poromitra* spp.	18
70	*Sebastes levis*	17
70	Paralepididae	17
70	*Nansenia crassa*	17
70	*Chilara taylori*	17
74	*Hygophum atratum*	16
75	*Tetragonurus cuvieri*	15
75	Ophidiiformes	15
75	*Scorpaenichthys marmoratus*	15
75	*Etrumeus acuminatus*	15
75	*Diogenichthys* spp.	15
80	*Gonichthys tenuiculus*	14
81	*Bathylagus milleri*	13
81	Cyclopteridae	13
81	*Sebastes aurora*	13
81	*Notolychnus valdiviae*	13
85	*Prionotus* spp.	12
85	*Xystreurys liolepis*	12
85	Gonostomatidae	12
88	Chiasmodontidae	11
88	Ceratioidei	11
88	Agonidae	11
88	*Scorpaena* spp.	11
92	*Scopelosaurus* spp.	10
92	*Lepidopus xantusi*	10
92	Carangidae	10
92	Gobiesocidae	10
96	*Sphyraena argentea*	9
96	*Microstomus pacificus*	9

TABLE 2B. (cont.)

Rank	Taxon	Occurrences
96	*Hygophum reinhardtii*	9
99	*Scomber japonicus*	8
99	Anguilliformes	8
99	*Semicossyphus pulcher*	8
99	*Hypsopsetta guttulata*	8
99	*Syngnathus* spp.	8
99	Haemulidae	8
99	*Ichthyococcus* spp.	8
106	*Electrona rissoi*	7
106	*Cololabis saira*	7
106	Atherinidae	7
109	*Notoscopelus resplendens*	6
110	*Brosmophycis marginata*	5
110	*Seriola lalandi*	5
110	*Lampadena urophaos*	5
110	*Notolepis risso*	5
110	*Scopelogadus bispinosus*	5
110	Gerreidae	5
116	*Oxylebius pictus*	4
116	*Glyptocephalus zachirus*	4
116	Blennioidei	4
116	*Coryphaena hippurus*	4
120	*Benthalbella dentata*	3
120	*Benthosema pterota*	3
120	*Loweina rara*	3
120	*Sarda chiliensis*	3
120	*Medialuna californiensis*	3
120	*Pleuronichthys decurrens*	3
120	Macrouridae	3
120	*Hypsypops rubicundus*	3
120	*Lepidopsetta bilineata*	3
120	*Brama* spp.	3
120	*Pleuronichthys coenosus*	3
131	Scopelarchidae	2
131	*Psettichthys melanostictus*	2
131	*Caulolatilus princeps*	2
131	*Aristostomias scintillans*	2
131	*Scopelarchoides nicholsi*	2
136	*Valenciennellus stellatus*	1
136	*Pleuronichthys* spp.	1
136	*Anoplopoma fimbria*	1
136	Scombridae	1
136	*Icosteus aenigmaticus*	1
136	*Macropinna microstoma*	1
136	*Photonectes* spp.	1
136	*Diplophos taenia*	1
136	Polynemidae	1
136	*Girella nigricans*	1
136	*Platichthys stellatus*	1

TABLE 2B. (cont.)

Rank	Taxon	Occurrences
136	*Howella brodiei*	1
136	Exocoetidae	1
136	*Opisthonema* spp.	1
136	*Ophiodon elongatus*	1
136	Hexagrammidae	1
136	Stomiiformes	1

TABLE 3A. Pooled numbers of fish larvae taken during CalCOFI cruises in 1974. Counts are adjusted for percent of sample sorted and standard haul factor (see text).

Rank	Taxon	Count
1	*Engraulis mordax*	39366
2	*Sebastes* spp.	6042
3	*Citharichthys* spp.	2306
4	*Vinciguerria lucetia*	1604
5	Sciaenidae	1350
6	*Leuroglossus stilbius*	1246
7	*Diogenichthys laternatus*	893
8	*Protomyctophum crockeri*	888
9	*Stenobrachius leucopsarus*	643
10	*Sebastes paucispinis*	628
11	Sternoptychidae	613
12	*Citharichthys stigmaeus*	552
13	*Lampanyctus* spp.	490
14	*Tarletonbeania crenularis*	487
15	*Triphoturus mexicanus*	371
16	*Sardinops sagax*	289
17	*Bathylagus ochotensis*	281
18	*Cyclothone* spp.	280
19	*Diogenichthys atlanticus*	261
20	*Merluccius productus*	209
21	*Paralichthys californicus*	204
22	Disintegrated fish larva	194
23	Gobiidae	177
24	Unidentified fish larva	153
25	*Idiacanthus antrostomus*	147
26	*Bathylagus wesethi*	141
27	*Symbolophorus californiensis*	124
28	*Gonichthys tenuiculus*	100
29	*Chauliodus macouni*	97
30	*Stomias atriventer*	91
31	*Lestidiops ringens*	89
32	Myctophidae	84
33	*Diogenichthys* spp.	76
33	*Lampanyctus ritteri*	76
35	*Icichthys lockingtoni*	75
35	*Melamphaes* spp.	75
37	Trachipteridae	70
38	*Synodus* spp.	69
39	*Myctophum nitidulum*	68
40	*Argentina sialis*	66
41	*Symphurus* spp.	65
42	*Microstoma microstoma*	60
43	*Bathylagus milleri*	58
44	*Rosenblattichthys volucris*	57
45	*Macroramphosus gracilis*	52
46	*Peprilus simillimus*	51
46	*Parophrys vetulus*	51
46	Clinidae	51

TABLE 3A. (cont.)

Rank	Taxon	Count
49	*Hygophum atratum*	48
50	Gonostomatidae	45
51	*Nansenia crassa*	40
52	Paralepididae	39
52	*Tetragonurus cuvieri*	39
54	*Xystreurys liolepis*	37
55	*Ceratoscopelus townsendi*	36
56	Chiasmodontidae	32
56	Cottidae	32
58	*Lampadena urophaos*	30
59	*Hypsoblennius* spp.	29
59	*Danaphos oculatus*	29
61	*Hypsopsetta guttulata*	22
62	*Hippoglossina stomata*	21
63	*Ophidion scrippsae*	17
64	Agonidae	13
65	*Scopelogadus bispinosus*	12
65	*Bathylagus pacificus*	12
65	Blennioidei	12
65	*Microstomus pacificus*	12
65	*Lampanyctus regalis*	12
65	Atherinidae	12
71	*Pleuronichthys decurrens*	11
71	*Cololabis saira*	11
73	*Zaniolepis* spp.	9
74	*Scorpaenichthys marmoratus*	8
74	*Sebastes jordani*	8
76	*Coryphaena hippurus*	6
76	*Syngnathus* spp.	6
78	Anguilliformes	5
78	*Pleuronichthys ritteri*	5
80	*Macropinna microstoma*	3
80	*Sebastolobus* spp.	3
80	*Bathylagus* spp.	3
80	*Lepidopus xantusi*	3
80	Cyclopteridae	3
80	Ceratioidei	3
80	*Ichthyococcus* spp.	3
80	Stomiiformes	3
80	*Scopelosaurus* spp.	3
89	*Pleuronichthys* spp.	2
89	*Pleuronichthys verticalis*	2
	Total	62101

TABLE 3B. Pooled numbers of fish larvae taken during CalCOFI cruises in 1975. Counts are adjusted for percent of sample sorted and standard haul factor (see text).

Rank	Taxon	Count
1	*Engraulis mordax*	838883
2	*Merluccius productus*	84347
3	*Sebastes* spp.	45007
4	*Citharichthys* spp.	34806
5	*Leuroglossus stilbius*	28735
6	*Triphoturus mexicanus*	18081
7	*Stenobrachius leucopsarus*	14507
8	Sciaenidae	10537
9	*Vinciguerria lucetia*	8473
10	*Bathylagus ochotensis*	7171
11	*Trachurus symmetricus*	4875
12	*Protomyctophum crockeri*	3911
13	*Tarletonbeania crenularis*	3880
14	*Citharichthys stigmaeus*	3828
15	*Bathylagus wesethi*	3470
16	*Diogenichthys laternatus*	3082
17	*Sebastes jordani*	2907
18	Sternoptychidae	2627
19	*Cyclothone* spp.	2441
20	*Sardinops sagax*	2360
21	*Lampanyctus ritteri*	2174
22	Disintegrated fish larva	1998
23	Unidentified fish larva	1946
24	*Diogenichthys atlanticus*	1658
25	*Sebastes paucispinis*	1599
26	*Lampanyctus* spp.	1369
27	Gobiidae	1327
28	*Paralichthys californicus*	1151
29	*Diaphus* spp.	1132
30	*Melamphaes* spp.	1050
31	*Symbolophorus californiensis*	1048
32	*Hypsoblennius* spp.	1032
33	*Pleuronichthys verticalis*	961
34	*Peprilus simillimus*	898
35	Clinidae	872
36	Serranidae	827
37	*Parophrys vetulus*	798
38	*Argentina sialis*	714
39	Myctophidae	685
40	*Chromis punctipinnis*	683
41	*Sarda chiliensis*	670
42	Cottidae	620
43	*Symphurus* spp.	596
44	*Ceratoscopelus townsendi*	571
45	*Stomias atriventer*	556
46	*Chauliodus macouni*	553
47	*Halichoeres* spp.	443

TABLE 3B. (cont.)

Rank	Taxon	Count
48	*Bathylagus pacificus*	439
49	*Synodus* spp.	428
50	*Bathylagus* spp.	409
51	Carangidae	400
52	*Danaphos oculatus*	364
53	*Icichthys lockingtoni*	358
54	*Sebastes macdonaldi*	332
55	*Sebastes levis*	328
56	*Etrumeus acuminatus*	270
57	*Lampanyctus regalis*	264
58	*Hippoglossina stomata*	254
59	*Microstoma microstoma*	247
60	*Zaniolepis* spp.	240
61	*Lyopsetta exilis*	235
62	*Sebastolobus* spp.	229
62	*Lestidiops ringens*	229
64	*Pleuronichthys ritteri*	210
65	*Nansenia candida*	202
66	Ophidiiformes	193
67	*Idiacanthus antrostomus*	180
68	*Oxyjulis californica*	157
69	*Chilara taylori*	150
70	*Bathylagus milleri*	148
71	*Ophidion scrippsae*	147
72	*Scorpaenichthys marmoratus*	146
73	*Scorpaena* spp.	138
74	*Nansenia crassa*	137
75	Paralepididae	130
76	*Sebastes aurora*	109
77	*Xystreurys liolepis*	106
78	*Prionotus* spp.	103
79	Trachipteridae	100
80	*Poromitra* spp.	99
81	Anguilliformes	98
82	*Tetragonurus cuvieri*	97
83	*Diogenichthys* spp.	95
84	*Hygophum atratum*	94
84	*Myctophum nitidulum*	94
86	*Gonichthys tenuiculus*	90
87	Agonidae	86
88	Haemulidae	84
89	*Notolychnus valdiviae*	82
90	*Scopelarchus* spp.	81
91	*Lepidopus xantusi*	80
92	*Rosenblattichthys volucris*	78
93	*Semicossyphus pulcher*	77
94	Gonostomatidae	74
95	Atherinidae	73
95	*Seriola lalandi*	73

TABLE 3B. (cont.)

Rank	Taxon	Count
97	*Microstomus pacificus*	71
98	Gobiesocidae	66
99	Cyclopteridae	63
100	*Scomber japonicus*	62
101	*Hypsopsetta guttulata*	61
101	*Sphyraena argentea*	61
103	*Brosmophycis marginata*	57
104	*Benthosema pterota*	54
105	*Scopelosaurus* spp.	53
106	Chiasmodontidae	51
107	*Cololabis saira*	49
108	Ceratioidei	48
109	*Ichthyococcus* spp.	46
109	*Hygophum reinhardtii*	46
111	*Medialuna californiensis*	45
111	Blennioidei	45
113	*Caulolatilus princeps*	43
114	*Syngnathus* spp.	41
115	*Notoscopelus resplendens*	40
116	*Glyptocephalus zachirus*	39
117	*Oxylebius pictus*	38
118	Macrouridae	37
119	*Pleuronichthys decurrens*	35
120	*Hypsypops rubicundus*	34
121	Gerreidae	31
122	*Psettichthys melanostictus*	29
123	*Benthalbella dentata*	28
124	Scombridae	26
125	*Lepidopsetta bilineata*	25
126	*Lampadena urophaos*	22
126	*Coryphaena hippurus*	22
128	*Electrona rissoi*	20
129	*Brama* spp.	18
130	*Notolepis risso*	17
130	*Scopelogadus bispinosus*	17
132	*Valenciennellus stellatus*	14
132	Scopelarchidae	14
134	*Girella nigricans*	13
135	Exocoetidae	12
135	*Macropinna microstoma*	12
137	*Icosteus aenigmaticus*	11
137	Stomiiformes	11
137	Polynemidae	11
137	*Platichthys stellatus*	11
141	Hexagrammidae	10
142	*Loweina rara*	9
143	*Pleuronichthys coenosus*	8
144	*Scopelarchoides nicholsi*	7
145	*Aristostomias scintillans*	6

TABLE 3B. (cont.)

Rank	Taxon	Count
146	*Pleuronichthys* spp.	5
147	*Ophiodon elongatus*	3
147	*Diplophos taenia*	3
147	*Photonectes* spp.	3
150	*Anoplopoma fimbria*	2
150	*Opisthonema* spp.	2
150	*Howella brodiei*	2
	Total	1162305

TABLE 4. Numbers of fish larvae taken on stations occupied during CalCOFI cruises in 1975. Counts are adjusted for percent of sample sorted and standard haul factor (see text). Average number is given for stations occupied twice during a single month. Unoccupied stations are indicated by a dash.

Anguilliformes

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
93.0	70.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-	2.8	-
97.0	30.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	28.3	-	-
110.0	34.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.6	-	-
127.0	36.0	-	3.0	-	0.0	-	-	-	0.0	-	0.0	-	-
130.0	26.0	-	0.0	-	0.0	0.0	-	-	0.0	-	2.2	-	-
130.0	35.0	-	0.0	-	0.0	0.0	-	-	0.0	-	11.8	-	-
133.0	22.0	-	2.5	-	0.0	-	-	-	0.0	-	0.0	-	-
137.0	20.7	-	0.0	-	0.0	-	-	-	0.0	-	1.9	-	-
137.0	22.0	-	0.0	-	0.0	-	-	-	0.0	-	37.1	-	-
137.0	30.0	-	0.0	-	0.0	-	-	-	0.0	-	11.5	-	-

Etrumeus acuminatus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
107.0	31.0	-	0.0	0.0	-	-	9.2	-	0.0	-	0.0	-	-
113.0	28.8	-	0.0	0.0	-	0.0	-	0.0	0.0	-	1.3	-	-
120.0	40.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	1.9	-	-
123.0	36.0	-	0.0	-	0.0	0.0	-	-	0.0	-	21.1	-	-
123.0	37.0	-	0.0	-	0.0	0.0	-	-	0.0	-	9.0	-	-
127.0	32.6	-	0.0	-	0.0	-	-	-	0.0	-	25.3	-	-
127.0	33.0	-	0.0	-	0.0	-	-	-	0.0	-	66.7	-	-
127.0	34.0	-	0.0	-	0.0	-	-	-	0.0	-	64.6	-	-
127.0	35.0	-	0.0	-	0.0	-	-	-	0.0	-	14.2	-	-
130.0	25.6	-	0.0	-	0.0	0.0	-	-	0.0	-	2.4	-	-
130.0	27.0	-	0.0	-	0.0	0.0	-	-	0.0	-	14.6	-	-
130.0	28.0	-	0.0	-	0.0	0.0	-	-	0.0	-	4.3	-	-
133.0	21.0	-	0.0	-	0.0	-	-	-	20.9	-	0.0	-	-
137.0	22.0	-	0.0	-	0.0	-	-	-	0.0	-	2.1	-	-
137.0	35.0	-	0.0	-	0.0	-	-	-	12.8	-	0.0	-	-

Opisthonema spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
137.0	22.0	-	0.0	-	0.0	-	-	-	0.0	-	2.1	-	-

Sardinops sagax

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
87.0	34.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	2.6	-	0.0
90.0	27.6	-	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	2.4

TABLE 4. (cont.)

Sardinops sagax (cont.)

STATION	NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
91.5 27.0		-	0.0	-	11.6	-	-	-	-	-	-	-
93.0 26.7		0.0	0.0	-	5.8	0.0	-	-	-	0.0	-	0.0
103.0 28.8		0.0	0.0	-	0.0	0.0	0.0	-	-	13.1	-	-
103.0 29.0		0.0	0.0	-	0.0	0.0	0.0	-		6.6	-	-
107.0 31.0		0.0	4.4	-	-	0.0	-	0.0	-	0.0	-	-
113.0 28.8		0.0	0.0	-	0.0	-	0.0	0.0	-	16.4	-	-
113.0 29.0		0.0	0.0	-	0.0	-	0.0	0.0	-	30.1	-	-
113.0 30.0		0.0	0.0	-	0.0	-	0.0	0.0	-	51.6	-	-
113.0 31.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	31.9	-	-
113.0 32.0		0.0	0.0	-	0.0	-	0.0	0.0	-	57.0	-	-
113.0 35.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	44.3	-	-
117.0 25.0		0.0	0.0	-	-	-	0.0	0.0	-	4.2	-	-
120.0 22.4		0.0	42.9	-	0.0	-	0.0	0.0	-	91.8	-	-
120.0 22.7		0.0	29.9	-	0.0	-	0.0	0.0	-	88.2	-	-
120.0 23.0		0.0	32.1	-	0.0	-	0.0	0.0	-	58.8	-	-
120.0 24.0	-	0.0	11.6	-	0.0	-	0.0	0.0	-	22.9	-	-
120.0 25.0		0.0	74.1	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0 26.0	-	0.0	10.1	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0 30.0		0.0	0.0	-	0.0	-	0.0	0.0	-	2.5	-	-
120.0 40.0		0.0	10.8	-	0.0	-	196.6	5.6	-	40.7	-	-
123.0 35.7		0.0	-	0.0	0.0	-	-	0.0	-	26.9	-	-
123.0 36.0	-	5.0	-	0.0	0.0	-	-	0.0	-	73.9	-	-
123.0 37.0		0.0	-	2.6	0.0	-	-	0.0	-	0.0	-	-
127.0 32.6		0.0	-	0.0	-	-	-	0.0	-	42.2	-	-
127.0 33.0		0.0	-	0.0	-	-	-	0.0	-	44.5	-	-
127.0 35.0		10.9	-	0.0	-	-	-	0.0		0.0	-	-
127.0 36.0	-	11.8	-	0.0	-	-	-	0.0	-	0.0	-	-
130.0 25.6		0.0	-	29.2	0.0	-	-	0.0	-	7.3	-	-
130.0 26.0		4.4	-	20.5	0.0	-	-	0.0	-	2.2	-	-
130.0 27.0		116.5	-	2.6	0.0	-	-	0.0	-	0.0	-	-
130.0 28.0		48.8	-	0.0	0.0	-	-	0.0	-	0.0	-	-
130.0 29.0	-	22.4	-	0.0	0.0	-	-	0.0	-	0.0	-	-
133.0 20.6	-	25.6	-	0.0	-	-	-	277.8	-	0.0	-	-
133.0 21.0		4.4	-	0.0	-	-	-	355.0	-	0.0	-	-
133.0 22.0		22.5	-	0.0	-	-	-	0.0	-	0.0	-	-
133.0 23.0		0.0	-	0.0	-	-		0.0	-	13.4	-	-
133.0 30.0		0.0	-	2.8	-	-	-	0.0	-	0.0	-	-
133.0 35.0		0.0	-	2.8	-	-	-	0.0	-	0.0	-	-
137.0 20.7		0.0		22.7	-	-	-	2.9	-	11.3	-	-
137.0 22.0		16.4		243.2		-	-	168.5	-	0.0	-	-
137.0 23.0		0.0		5.1	-	-	-	0.0	-	0.0	-	-
137.0 24.0		0.0		2.6	-	-	-	0.0		0.0	-	-

TABLE 4. (cont.)

Engraulis mordax

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	60.0	-	0.0	-	0.0	-	-	-	22.8	-	-	0.0	-
63.0	52.0	-	0.0	-	11.7	-	-	-	0.0	-	-	0.0	-
63.0	65.0	-	11.6	-	0.0	-	-	-	-	-	-	0.0	-
66.0	49.0	-	-	-	3.4	-	-	-	0.0	-	-	2.5	-
67.0	50.0	-	0.0	-	6.3	-	-	-	0.0	-	-	0.0	-
67.0	60.0	-	0.0	-	0.0	-	-	-	13.6	-	-	0.0	-
67.0	65.0	-	10.9	-	0.0	-	-	-	-	-	-	0.0	-
70.0	51.0	-	12.1	-	10.5	-	0.0	-	0.0	-	-	0.0	-
70.0	53.0	-	0.0	-	6.4	-	0.0	-	0.0	-	-	0.0	-
70.0	60.0	-	12.3	-	0.0	-	0.0	-	0.0	-	-	0.0	-
70.0	70.0	-	53.4	-	5.2	-	0.0	-	0.0	-	-	0.0	-
73.0	50.0	-	0.0	-	4.9	-	0.0	-	0.0	-	-	0.0	-
73.0	53.0	-	0.0	-	52.5	0.0	0.0	-	0.0	-	-	0.0	-
73.0	60.0	-	0.0	-	51.2	0.0	0.0	-	0.0	-	-	0.0	-
73.0	65.0	-	10.9	-	35.0	0.0	0.0	-	0.0	-	-	0.0	-
73.0	70.0	-	36.1	-	0.0	0.0	0.0	-	0.0	-	-	0.0	-
77.0	48.0	-	0.0	-	104.9	0.0	0.0	-	0.0	-	-	0.0	-
77.0	51.0	-	0.0	-	0.0	0.0	12.2	-	-	-	-	0.0	-
77.0	55.0	-	-	-	0.0	11.5	0.0	-	0.0	-	-	0.0	-
77.0	60.0	-	0.0	-	0.0	22.5	0.0	-	0.0	-	-	0.0	-
80.0	50.1	-	40.9	77.4	-	114.0	0.0	-	1.7	-	-	10.4	-
80.0	51.0	-	77.4	311.5	-	0.0	0.0	-	1.9	-	-	13.1	-
80.0	52.0	-	101.6	29.6	-	33.0	0.0	-	0.0	-	-	11.0	-
80.0	53.0	-	76.8	51.2	-	11.0	0.0	-	0.0	-	-	10.7	-
80.0	54.0	-	73.0	27.6	-	0.0	0.0	-	0.0	-	-	0.0	-
80.0	55.0	-	111.2	0.0	-	11.7	0.0	-	10.6	-	-	0.0	-
80.0	60.0	-	0.0	0.0	-	11.6	0.0	-	0.0	-	-	0.0	-
81.5	43.5	68.1	-	27.3	-	196.2	53.6	-	147.6	-	83.2	-	-
81.5	44.0	182.2	-	5.3	-	253.4	8.8	-	108.1	-	174.0	-	-
81.5	44.5	247.9	-	185.9	-	150.6	0.0	-	58.8	-	119.3	-	-
81.5	45.0	51.8	-	72.2	-	328.6	0.0	-	126.7	-	130.6	-	-
81.5	46.0	83.0	-	53.3	-	818.4	0.0	-	22.7	-	105.6	-	-
81.5	47.0	26.4	-	119.2	-	153.1	0.0	-	0.0	-	45.4	-	-
83.0	39.4	0.0	-	37.8	-	823.2	7.5	-	1.8	-	24.5	-	7.6
83.0	40.6	0.0	-	74.9	-	1021.8	0.0	-	42.2	-	94.0	-	-
83.0	41.0	11.0	-	139.6	-	896.9	0.0	-	108.0	-	352.2	-	0.0
83.0	42.0	25.2	-	1039.8	-	114.8	11.8	-	171.0	-	101.2	-	27.1
83.0	43.0	50.6	-	278.1	-	1815.8	25.3	-	203.5	-	482.2	-	0.0
83.0	44.0	62.6	-	617.4	-	662.4	10.6	-	109.8	-	73.6	-	12.7
83.0	44.7	133.5	-	270.0	-	65.3	4.6	-	0.0	-	112.3	-	-
83.0	45.0	133.8	-	435.1	-	256.0	0.0	-	56.0	-	82.9	-	0.0
83.0	48.0	0.0	-	598.0	-	869.0	0.0	-	50.2	-	231.2	-	13.6
83.0	49.0	4.7	-	81.5	-	333.2	0.0	-	36.6	-	89.3	-	4.1
83.0	50.0	61.2	-	306.2	-	1004.4	0.0	-	100.0	-	126.4	-	19.5
83.0	51.0	155.5	-	588.0	-	1031.5	0.0	-	35.3	-	76.3	-	38.8
83.0	55.0	115.6	-	1438.8	-	0.0	0.0	-	0.0	-	12.6	-	59.6

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
83.0	60.0	43.9	-	197.1	-	12.1	0.0	-	0.0	-	0.0	-	34.8
83.0	80.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	2.8	-	-
85.0	37.2	-	134.5	619.9	-	1037.8	114.2	-	0.0	-	220.5	-	-
85.0	37.5	360.4	-	712.6	-	3208.8	32.9	-	146.4	-	670.7	-	-
85.0	38.0	516.1	-	361.8	-	5667.8	85.0	-	631.7	-	452.6	-	-
85.0	39.0	183.0	-	647.0	-	2839.6	12.9	-	306.8	-	516.6	-	-
85.0	40.0	122.4	-	503.9	-	697.7	24.4	-	929.8	-	576.2	-	-
87.0	32.5	-	956.2	259.2	-	1165.8	72.3	-	398.3	-	8.4	-	11.0
87.0	32.7	-	200.9	915.8	-	2744.8	0.0	-	937.0	-	22.1	-	14.1
87.0	33.0	-	129.5	1607.5	-	2872.6	45.0	-	512.7	-	135.0	-	0.0
87.0	34.0	-	80.9	415.9	-	3639.7	166.3	-	787.8	-	205.9	-	26.7
87.0	35.0	-	203.8	1223.0	-	592.8	335.9	-	118.4	-	477.2	-	472.6
87.0	36.0	-	112.8	414.8	-	1956.0	547.2	-	107.6	-	426.2	-	881.4
87.0	40.0	304.7	-	720.8	-	4299.4	0.0	-	11.8	-	831.6	-	109.4
87.0	45.0	65.4	-	878.8	-	445.2	0.0	-	25.1	-	714.6	-	26.0
87.0	50.0	84.5	-	304.6	-	232.2	0.0	-	9.0	-	184.1	-	43.8
87.0	55.0	27.9	-	251.2	-	0.0	0.0	-	0.0	-	80.4	-	0.0
87.0	60.0	56.5	-	-	-	114.1	0.0	-	0.0	-	0.0	-	0.0
87.0	70.0	0.0	-	6.7	-	146.7	0.0	-	0.0	-	8.6	-	-
87.0	80.0	0.0	-	0.0	-	2.9	0.0	-	0.0	-	0.0	-	-
87.0	90.0	0.0	-	0.0	-	0.0	0.0	-	3.1	-	0.0	-	-
88.5	30.4	-	80.8	27.0	-	710.1	77.5	1216.6	-	-	18.4	-	1.5
88.5	31.0	-	42.0	244.0	-	820.4	374.5	-	1417.5	-	146.3	-	2.5
88.5	32.0	-	347.5	89.4	-	1050.0	876.1	-	440.0	-	305.5	-	8.0
88.5	33.0	-	86.8	-	-	4044.0	959.5	-	11.8	-	996.2	-	79.4
88.5	34.0	-	396.8	840.6	-	1924.0	1313.2	-	67.2	-	741.8	-	115.2
90.0	27.6	-	93.8	884.5	-	1637.3	115.5	306.3	-	-	813.2	-	38.9
90.0	28.0	-	115.4	-	-	737.8	23.0	168.0	-	-	349.4	-	192.2
90.0	29.0	-	210.2	1812.0	-	7658.6	893.2	124.9	-	-	653.4	-	373.0
90.0	30.0	-	367.0	4030.0	-	8293.8	142.6	38.5	-	-	1607.2	-	516.4
90.0	31.0	-	363.6	1131.6	-	14254.1	12.4	23.2	-	-	95.0	-	244.7
90.0	32.0	-	176.6	2375.5	-	4814.3	0.0	0.0	-	-	42.1	-	211.8
90.0	37.0	11.9	-	5147.9	-	6620.8	12.6	293.3	-	-	253.4	-	357.3
90.0	45.0	0.0	-	933.1	-	3187.4	12.8	124.9	-	-	-	577.3	12.2
90.0	53.0	0.0	-	259.3	-	53.6	0.0	0.0	-	-	-	0.0	-
90.0	60.0	8.8	-	2878.8	-	30.8	0.0	2.8	-	-	-	0.0	-
90.0	70.0	0.0	-	6.1	-	0.0	0.0	0.0	-	-	-	5.7	-
90.0	80.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-	2.8	-
90.0	90.0	0.0	-	0.0	-	3.1	0.0	0.0	-	-	-	0.0	-
91.5	26.5	-	19.0	136.0	-	1626.5	1250.5	-	-	-	38.0	-	0.0
91.5	26.8	-	18.4	-	-	-	1779.1	58.9	-	-	154.6	-	85.4
91.5	27.0	-	-	1055.8	-	1489.9	-	-	-	-	-	-	-
91.5	28.0	-	219.6	6246.1	-	4903.0	836.6	264.1	-	-	944.6	-	44.0
91.5	29.0	-	256.8	5574.4	-	6435.0	417.2	37.0	-	-	1248.5	-	31.7
91.5	30.0	-	50.4	2785.1	-	6560.4	537.3	48.6	-	-	1087.2	-	20.9
93.0	26.7	-	40.6	255.3	-	1073.0	6.6	-	-	-	1.6	-	317.8

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
93.0	26.9	-	151.2	1565.1	-	3626.6	408.5	117.5	-	-	166.8	-	67.4
93.0	28.0	-	271.0	5169.9	-	10348.8	194.5	118.0	-	-	188.5	-	130.7
93.0	29.0	-	393.4	2275.2	-	7209.4	368.0	45.3	-	-	237.6	-	214.9
93.0	30.0	-	109.4	7724.9	-	817.9	384.0	87.7	-	-	1112.8	-	204.7
93.0	35.0	879.2	-	3794.6	-	4858.1	0.0	986.0	-	-	616.0	-	266.9
93.0	40.0	277.4	-	1751.6	-	3733.9	0.0	110.4	-	-	426.2	-	286.1
93.0	45.0	5.5	-	2677.2	-	5220.0	0.0	12.1	-	-	32.8	-	348.0
93.0	50.0	0.0	-	6832.2	-	1274.5	0.0	0.0	-	-	0.0	-	75.4
93.0	55.0	0.0	-	3824.6	-	510.7	17.1	30.0	-	-	0.0	-	-
93.0	60.0	0.0	-	8485.4	-	1377.1	0.0	0.0	-	-	-	0.0	-
93.0	70.0	0.0	-	660.8	-	79.8	0.0	0.0	-	-	-	0.0	-
93.0	80.0	0.0	-	280.3	-	3.2	0.0	0.0	-	-	-	0.0	-
93.0	90.0	0.0	-	3.2	-	-	0.0	0.0	-	-	-	0.0	-
93.0	100.0	0.0	-	22.1	-	-	-	-	-	-	-	-	-
94.0	32.0	5.1	-	364.0	-	-	-	0.0	-	-	-	-	-
95.0	28.0	-	0.0	214.1	-	802.9	1092.0	19.6	-	-	0.0	-	-
95.0	29.0	-	19.5	3847.4	-	2566.8	887.0	208.3	-	-	292.0	-	-
95.0	30.0	-	10.1	8889.3	-	3799.9	182.0	207.9	-	-	730.6	-	-
95.0	31.0	-	67.2	7416.6	-	4334.4	241.4	193.0	-	-	350.3	-	-
95.0	32.0	-	0.0	7021.0	-	4372.2	459.4	81.0	-	-	485.4	-	-
97.0	28.8	19.4	-	60.3	-	932.2	1087.3	4.5	-	-	92.4	-	-
97.0	29.0	20.9	-	127.0	-	1763.4	1551.4	124.9	-	-	509.4	-	-
97.0	30.0	13.3	-	280.8	-	3065.2	917.3	43.2	-	-	641.9	-	-
97.0	31.0	22.6	-	390.0	-	3723.7	91.8	34.3	-	-	230.2	-	-
97.0	32.0	23.3	-	638.5	-	1299.6	187.2	0.0	-	-	193.8	-	-
97.0	35.0	0.0	-	1943.2	-	667.9	908.2	11.5	-	-	67.7	-	-
97.0	40.0	0.0	-	5621.3	-	3151.7	33.9	0.0	-	-	336.6	-	-
97.0	45.0	0.0	-	882.0	-	2961.0	11.6	0.0	-	-	122.7	-	-
97.0	50.0	0.0	-	3145.0	-	3558.7	0.0	0.0	-	-	0.0	-	-
97.0	55.0	0.0	-	10090.1	-	6426.0	0.0	0.0	-	-	0.0	-	-
97.0	60.0	0.0	-	8940.6	-	3507.8	0.0	0.0	-	-	0.0	-	-
97.0	70.0	0.0	-	2435.4	-	9.8	0.0	0.0	-	-	0.0	-	-
97.0	90.0	0.0	-	26.4	-	-	0.0	0.0	-	-	0.0	-	-
100.0	29.0	-	11.3	237.6	-	2462.7	787.9	0.0	-	-	146.6	-	-
100.0	30.0	-	-	2217.1	-	2030.7	1064.9	-	-	-	178.8	-	-
100.0	31.0	-	0.0	5223.7	-	6952.3	495.6	44.5	-	-	0.0	-	-
100.0	32.0	-	2.9	1011.4	-	4680.0	285.2	675.8	-	-	11.6	-	-
100.0	35.0	-	-	1209.6	-	4262.9	17.7	52.4	-	-	127.7	-	-
100.0	40.0	-	0.0	2319.0	-	5012.0	163.0	21.1	-	-	0.0	-	-
100.0	50.0	-	0.0	9815.7	-	260.7	0.0	82.9	-	-	0.0	-	-
100.0	60.0	-	0.0	208.1	-	0.0	0.0	0.0	-	-	0.0	-	-
100.0	70.0	-	0.0	64.5	-	7.4	0.0	0.0	-	-	0.0	-	-
100.0	80.0	-	0.0	6.2	-	0.0	0.0	0.0	-	-	0.0	-	-
103.0	28.8	-	3.7	0.0	-	226.8	231.0	1.0	-	-	7.3	-	-
103.0	29.0	-	31.4	426.4	-	305.8	553.0	100.4	-	-	34.4	-	-
103.0	30.0	-	22.4	972.0	-	1576.8	2307.5	1065.7	-	-	0.0	-	-

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
103.0	31.0	-	46.2	744.8	-	3131.2	3784.2	228.0	-	-	0.0	-	-
103.0	32.0	-	24.6	994.6	-	2355.7	208.0	73.2	-	-	0.0	-	-
103.0	35.0	-	412.8	1343.5	-	908.8	1659.8	275.4	-	-	0.0	-	-
103.0	40.0	-	11.0	25410.7	-	189.8	1704.0	62.8	-	-	0.0	-	-
103.0	45.0	-	26.2	5718.8	-	0.0	63.8	30.1	-	-	0.0	-	-
103.0	50.0	-	0.0	0.0	-	14.4	0.0	42.9	-	-	0.0	-	-
103.0	60.0	-	0.0	5346.0	-	0.0	0.0	0.0	-	-	0.0	-	-
103.0	70.0	-	0.0	0.0	-	3.4	0.0	2.5	-	-	0.0	-	-
107.0	30.3	-	15.9	257.1	-	-	82.7	-	53.3	-	2.1	-	-
107.0	30.6	-	15.9	858.0	-	-	81.9	-	25.9	-	7.4	-	-
107.0	31.0	-	59.8	228.9	-	-	1755.6	-	150.5	-	53.0	-	-
107.0	32.0	-	97.6	184.2	-	-	1829.7	-	424.3	-	85.1	-	-
107.0	33.0	-	0.0	168.6	-	-	110.4	-	273.6	-	0.0	-	-
107.0	34.0	-	0.0	36.1	-	-	279.0	-	75.3	-	8.3	-	-
107.0	35.0	-	0.0	484.8	-	-	276.3	-	21.0	-	0.0	-	-
107.0	40.0	-	0.0	867.2	-	-	24.6	-	0.0	-	0.0	-	-
107.0	50.0	-	0.0	1399.4	-	-	11.6	-	0.0	-	0.0	-	-
107.0	60.0	-	0.0	168.2	-	-	58.8	-	0.0	-	0.0	-	-
107.0	70.0	-	-	83.5	-	-	0.0	0.0	-	-	0.0	-	-
107.0	80.0	-	-	5.7	-	-	0.0	0.0	-	-	0.0	-	-
110.0	31.7	-	-		-	-	-	-	13.1	-	0.0	-	-
110.0	32.0	-	-		-	-	-	-	42.7	-	-	-	-
110.0	32.4	-	486.8	1606.9	-	368.4	-	15258.6	-	-	35.0	-	-
110.0	33.0	-	217.3	3213.7	-	922.7	-	2951.2	31.2	-	9.4	-	-
110.0	34.0	-	539.1	719.4	-	3931.9	-	2723.8	0.0	-	2.6	-	-
110.0	35.0	-	100.4	1579.0	-	6020.6	-	751.0	0.0	-	2.9	-	-
110.0	40.0	-	12.2	1846.8	-	599.8	-	177.9	318.2	-	0.0	-	-
110.0	45.0	-	0.0	908.7	-	94.9	-	257.9	2820.0	-	0.0	-	-
110.0	50.0	-	0.0	441.5	-	54.4	-	621.3	9.9	-	0.0	-	-
110.0	55.0	-	0.0	3790.8	-	0.0	-	13.0	0.0	-	0.0	-	-
110.0	60.0	-	0.0	70.6	-	0.0	-	54.7	0.0	-	0.0	-	-
110.0	70.0	-	-	60.0	-	-	-	6.4	0.0	-	0.0	-	-
110.0	80.0	-	-	8.6	-	-	-	0.0	0.0	-	0.0	-	-
113.0	28.8	-	6.1	17.9	-	13.0	-	5.3	0.0	-	13.9	-	-
113.0	29.0	-	5.9	35.7	-	70.8	-	2.1	3.3	-	22.6	-	-
113.0	30.0	-	18.8	90.8	-	2241.1	-	6.4	4.2	-	20.6	-	-
113.0	31.0	-	21.9	3588.5	-	1212.7	-	18.6	11.0	-	74.5	-	-
113.0	32.0	-	0.0	1046.4	-	4876.5	-	14.6	23.5	-	45.6	-	-
113.0	35.0	-	35.2	4141.8	-	997.3	-	745.0	0.0	-	44.3	-	-
113.0	40.0	-	66.4	1011.2	-	1486.1	-	12.6	0.0	-	57.6	-	-
113.0	45.0	-	520.8	809.2	-	682.2	-	0.0	0.0	-	0.0	-	-
113.0	50.0	-	5.9	289.0	-	2595.0	-	10.8	22.6	-	0.0	-	-
113.0	60.0	-	12.3	23.0	-	712.8		0.0	0.0	-	0.0	-	-
113.0	70.0	-	-	20.9	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	80.0	-	-	0.0	-	-	-	0.0	2.3	-	0.0	-	-
117.0	25.0	-	15.2	353.6	-	-	-	12.2	227.9	-	85.3	-	-

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
117.0	26.0	-	65.3	259.4	-	-	-	313.2	21.4	-	77.8	-	-
117.0	27.0	-	76.9	1012.7	-	-	-	951.2	419.7	-	43.9	-	-
117.0	28.0	-	216.1	250.0	-	-	-	2793.1	81.2	-	25.0	-	-
117.0	30.0	-	68.3	6745.6	-	-	-	452.6	78.9	-	99.6	-	-
117.0	35.0	-	44.5	423.3	-	-	-	611.3	42.6	-	0.0	-	-
117.0	40.0	-	279.8	1293.8	-	-	-	12.2	0.0	-	0.0	-	-
117.0	45.0	-	0.0	2102.1	-	-	-	0.0	0.0	-	0.0	-	-
117.0	50.0	-	0.0	6715.6	-	-	-	58.4	0.0	-	0.0	-	-
117.0	60.0	-	0.0	19.7	-	-	-	0.0	38.4	-	0.0	-	-
117.0	70.0	-	-	0.0	-	-	-	0.0	0.0	-	9.8	-	-
117.0	80.0	-	-	11.6	-	-	-	0.0	0.0	-	2.3	-	-
118.0	39.0	-	0.0	218.3	-	-	-	1645.8	82.2	-	0.0	-	-
119.0	33.0	-	49.5	13258.0	-	17876.3	-	165.8	745.0	-	293.2	-	-
120.0	22.4	-	0.0	80.8	-	14.7	-	16.3	130.8	-	36.7	-	-
120.0	22.7	-	3.8	65.1	-	70.8	-	299.1	266.0	-	11.8	-	-
120.0	23.0	-	0.0	166.3	-	132.2	-	736.3	160.8	-	19.6	-	-
120.0	24.0	-	38.3	1673.3	-	559.7	-	2428.4	349.4	-	163.2	-	-
120.0	25.0	-	5.2	2981.3	-	869.8	-	6235.0	495.6	-	326.1	-	-
120.0	26.0	-	14.3	2852.6	-	1155.0	-	18729.4	192.2	-	13.3	-	-
120.0	30.0	-	142.6	17264.5	-	1693.4	-	107.6	688.2	-	475.6	-	-
120.0	35.0	-	42.2	717.6	-	547.0	-	90.2	401.3	-	550.6	-	-
120.0	40.0	-	9.2	550.8	-	2506.0	-	1900.1	5.6	-	1495.7	-	-
120.0	45.0	-	40.0	371.2	-	114.8	-	1168.2	0.0	-	155.5	-	-
120.0	50.0	-	45.2	800.9	-	5255.1	-	1320.0	10.4	-	9.9	-	-
120.0	60.0	-	0.0	23.9	-	558.4	-	311.0	0.0	-	0.0	-	-
120.0	70.0	-	-	17.3	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	80.0	-	-	2.8	-	-	-	0.0	0.0	-	0.0	-	-
123.0	35.7	-	109.2	-	19.5	32.1	-	-	0.0	-	0.0	-	-
123.0	36.0	-	316.3	-	230.1	68.4	-	-	11.7	-	0.0	-	-
123.0	37.0	-	19.4	-	318.7	37.0	-	-	20.5	-	0.0	-	-
123.0	38.0	-	4.8	-	293.4	14.3	-	-	0.0	-	0.0	-	-
123.0	39.0	-	0.0	-	305.8	1285.2	-	-	0.0	-	0.0	-	-
123.0	42.0	-	0.0	-	132.4	2502.4	-	-	8.2	-	10.8	-	-
123.0	45.0	-	0.0	553.0	-	6805.4	-	-	9.7	-	0.0	-	-
123.0	50.0	-	0.0	307.8	-	6007.3	-	-	0.0	-	11.0	-	-
123.0	60.0	-	0.0	12.4	-	4041.3	-	-	0.0	-	0.0	-	-
127.0	32.6	-	22.9	-	37.8	-	-	-	0.0	-	287.0	-	-
127.0	33.0	-	521.1	-	17.4	-	-	-	16.3	-	333.6	-	-
127.0	34.0	-	328.0	-	20.9	-	-	-	12.8	-	86.1	-	-
127.0	35.0	-	1081.1	-	58.5	-	-	-	7.0	-	28.4	-	-
127.0	36.0	-	1121.0	-	35.4	-	-	-	125.8	-	0.0	-	-
127.0	40.0	-	47.2	-	234.4	-	-	-	23.2	-	14.3	-	-
127.0	45.0	-	0.0	-	11.8	-	-	-	0.0	-	0.0	-	-
127.0	50.0	-	0.0	-	1113.6	-	-	-	0.0	-	0.0	-	-
127.0	60.0	-	0.0	-	201.6	-	-	-	0.0	-	0.0	-	-
130.0	25.6	-	23.1	-	19.0	23.8	-	-	0.0	-	4.9	-	-

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
130.0	26.0	-	96.8	-	128.3	64.6	-	-	0.0	-	8.6	-	-
130.0	27.0	-	86.2	-	103.2	144.1	-	-	0.0	-	16.6	-	-
130.0	28.0	-	512.2	-	106.3	393.4	-	-	0.0	-	12.8	-	-
130.0	29.0	-	1495.2	-	47.5	4080.0	-	-	0.0	-	0.0	-	-
130.0	30.0	-	1698.3	-	93.8	667.2	-	-	9.8	-	0.0	-	-
130.0	35.0	-	11.9	-	153.4	2764.1	-	-	68.6	-	0.0	-	-
130.0	40.0	-	0.0	-	1026.6	3553.2	-	-	0.0	-	0.0	-	-
130.0	50.0	-	0.0	-	0.0	274.6	-	-	0.0	-	0.0	-	-
130.0	60.0	-	0.0	-	0.0	537.2	-	-	0.0	-	0.0	-	-
133.0	20.6	-	184.1	-	33.3	-	-	-	129.0	-	877.2	-	-
133.0	21.0	-	331.5	-	40.3	-	-	-	41.8	-	357.3	-	-
133.0	22.0	-	2080.0	-	153.1	-	-	-	2.4	-	29.9	-	-
133.0	23.0	-	2419.2	-	2.7	-	-	-	39.7	-	0.0	-	-
133.0	24.0	-	2600.4	-	24.4	-	-	-	851.8	-	2.4	-	-
133.0	25.0	-	3394.8	-	47.3	-	-	-	174.2	-	1.6	-	-
133.0	30.0	-	83.7	-	0.0	-	-	-	30.1	-	11.0	-	-
133.0	35.0	-	12.1	-	0.0	-	-	-	10.2	-	68.2	-	-
133.0	40.0	-	0.0	-	0.0	-	-	-	0.0	-	12.7	-	-
133.0	50.0	-	0.0	-	22.8	-	-	-	0.0	-	393.4	-	-
133.0	60.0	-	0.0	-	2.7	-	-	-	0.0	-	3.1	-	-
137.0	20.7	-	469.6	-	274.7	-	-	-	86.4	-	882.6	-	-
137.0	22.0	-	2751.8	-	1510.4	-	-	-	717.1	-	795.2	-	-
137.0	23.0	-	1422.1	-	8251.8	-	-	-	42.3	-	38.5	-	-
137.0	24.0	-	1314.9	-	3234.4	-	-	-	21.3	-	0.0	-	-
137.0	30.0	-	0.0	-	1878.6	-	-	-	142.2	-	0.0	-	-
137.0	35.0	-	0.0	-	63.6	-	-	-	449.4	-	0.0	-	-
137.0	40.0	-	0.0	-	2.9	-	-	-	0.0	-	0.0	-	-
137.0	50.0	-	0.0	-	0.0	-	-	-	5.7	-	0.0	-	-

Argentina sialis

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
77.0	90.0	-	-	-	-	5.8	0.0	-	0.0	-	-	0.0	-
80.0	51.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	-	2.6	-
80.0	53.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	-	21.4	-
80.0	54.0	-	12.2	0.0	-	0.0	0.0	-	0.0	-	-	0.0	-
81.5	44.0	0.0	-	0.0	-	11.5	0.0	-	0.0	-	0.0	-	-
81.5	44.5	0.0	-	0.0	-	10.8	0.0	-	0.0	-	0.0	-	-
81.5	45.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	10.9	-	-
83.0	43.0	0.0	-	0.0	-	15.5	0.0	-	0.0	-	0.0	-	0.0
83.0	44.0	12.5	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	12.7
83.0	51.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	3.2	-	0.0
87.0	36.0	-	0.0	0.0	-	13.0	0.0	-	0.0	-	0.0	-	0.0
90.0	28.0	-	0.0	-	-	0.0	0.0	0.0	-	-	0.0	-	3.2
91.5	26.5	-	0.0	0.0	-	0.0	0.0	-	-	-	1.6	-	0.0

TABLE 4. (cont.)

Argentina sialis (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
91.5	26.8	-	0.0	-	-	-	3.0	0.0	-	-	0.0	-	0.0
93.0	28.0	-	0.0	0.0	-	26.4	0.0	0.0	-	-	0.0	-	0.0
93.0	29.0	-	0.0	0.0	-	0.0	0.0	11.3	-	-	0.0	-	0.0
93.0	40.0	0.0	-	0.0	-	12.9	0.0	0.0	-	-	0.0	-	0.0
95.0	30.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	2.0	-	-
95.0	31.0	-	0.0	0.0	-	82.6	0.0	0.0	-	-	0.0	-	-
95.0	32.0	-	0.0	0.0	-	13.9	0.0	0.0	-	-	0.0	-	-
97.0	29.0	0.0	-	0.0	-	13.2	0.0	0.0	-	-	0.0	-	-
100.0	30.0	-	-	0.0	-	0.0	0.0	-	-	-	3.0	-	-
100.0	31.0	-	0.0	0.0	-	11.4	0.0	2.6	-	-	0.0	-	-
100.0	40.0	-	0.0	0.0	-	14.0	0.0	0.0	-	-	0.0	-	-
100.0	50.0	-	0.0	0.0	-	13.7	0.0	0.0	-	-	0.0	-	-
103.0	35.0	-	3.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
107.0	31.0	-	0.0	0.0	-	-	9.2	-	0.0	-	0.0	-	-
107.0	32.0	-	24.4	0.0	-	-	12.3	-	0.0	-	0.0	-	-
107.0	34.0	-	0.0	0.0	-	-	0.0	-	0.0	-	2.8	-	-
110.0	34.0	-	0.0	0.0	-	6.9	-	0.0	0.0	-	2.6	-	-
110.0	35.0	-	0.0	11.4	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	40.0	-	0.0	0.0	-	14.3	-	0.0	0.0	-	0.0	-	-
110.0	70.0	-	-	9.0	-	-	-	0.0	0.0	-	0.0	-	-
110.0	80.0	-	-	5.8	-	-	-	0.0	0.0	-	0.0	-	-
113.0	29.0	-	0.0	2.4	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	32.0	-	0.0	0.0	-	0.0	-	2.9	0.0	-	0.0	-	-
113.0	35.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	22.2	-	-
113.0	60.0	-	0.0	11.5	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	70.0	-	-	6.0	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	80.0	-	-	2.9	-	-	-	0.0	0.0	-	3.0	-	-
117.0	35.0	-	11.1	45.8	-	-	-	0.0	0.0	-	0.0	-	-
117.0	40.0	-	3.2	0.0	-	-	-	0.0	0.0	-	0.0	-	-
117.0	50.0	-	0.0	0.0	-	-	-	23.4	0.0	-	0.0	-	-
117.0	60.0	-	0.0	8.4	-	-	-	0.0	0.0	-	0.0	-	-
117.0	80.0	-	-	2.9	-	-	-	0.0	0.0	-	0.0	-	-
118.0	39.0	-	0.0	8.7	-	-	-	35.5	0.0	-	0.0	-	-
119.0	33.0	-	0.0	0.0	-	0.0	-	11.8	11.6	-	0.0	-	-
120.0	30.0	-	0.0	0.0	-	23.5	-	2.8	0.0	-	0.0	-	-
120.0	45.0	-	0.0	0.0	-	12.8	-	0.0	0.0	-	0.0	-	-
123.0	39.0	-	0.0	-	0.0	0.0	-	-	0.0	-	11.6	-	-
123.0	50.0	-	0.0	0.0	-	0.0	-	-	0.0	-	11.0	-	-
127.0	36.0	-	0.0	-	11.8	-	-	-	0.0	-	0.0	-	-
127.0	40.0	-	0.0	-	0.0	-	-	-	11.6	-	0.0	-	-
130.0	35.0	-	0.0	-	0.0	0.0	-	-	11.4	-	0.0	-	-
130.0	40.0	-	0.0	-	0.0	0.0	-	-	11.6	-	0.0	-	-
133.0	30.0	-	0.0	-	0.0	-	-	-	0.0	-	11.0	-	-

TABLE 4. (cont.)

Microstoma microstoma

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
77.0	65.0	–	0.0	–	0.0	11.4	0.0	–	0.0	–	–	0.0	–
77.0	70.0	–	12.8	–	0.0	0.0	0.0	–	0.0	–	–	0.0	–
77.0	80.0	–	11.1	–	–	0.0	0.0	–	0.0	–	–	0.0	–
80.0	90.0	–	0.0	3.2	–	0.0	0.0	–	0.0	–	–	0.0	–
83.0	80.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	2.8	–	–
83.0	90.0	–	0.0	0.0	–	2.9	0.0	–	2.9	–	0.0	–	–
87.0	70.0	0.0	–	0.0	–	0.0	6.0	–	0.0	–	0.0	–	–
87.0	80.0	0.0	–	2.8	–	0.0	0.0	–	0.0	–	0.0	–	–
87.0	90.0	0.0	–	0.0	–	0.0	0.0	–	9.3	–	0.0	–	–
90.0	53.0	12.2	–	0.0	–	0.0	0.0	0.0	–	–	–	12.0	–
90.0	70.0	0.0	–	3.0	–	0.0	0.0	0.0	–	–	–	2.8	–
93.0	60.0	1.5	–	0.0	–	0.0	3.0	2.9	–	–	–	2.8	–
93.0	70.0	0.0	–	0.0	–	3.5	0.0	9.1	–	–	–	2.8	–
93.0	80.0	0.0	–	0.0	–	0.0	3.2	2.8	–	–	–	0.0	–
93.0	90.0	0.0	–	3.2	–	–	3.2	0.0	–	–	–	0.0	–
93.0	100.0	2.9	–	0.0	–	–	–	–	–	–	–	–	–
97.0	40.0	0.0	–	0.0	–	6.7	0.0	0.0	–	–	0.0	–	–
97.0	45.0	2.6	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	60.0	0.0	–	13.8	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	70.0	0.0	–	6.6	–	3.3	3.0	0.0	–	–	0.0	–	–
97.0	80.0	0.0	–	0.0	–	0.0	6.7	0.0	–	–	0.0	–	–
97.0	90.0	0.0	–	3.3	–	–	0.0	0.0	–	–	0.0	–	–
100.0	35.0	–	–	0.0	–	0.0	0.0	10.5	–	–	0.0	–	–
100.0	70.0	–	2.9	0.0	–	0.0	0.0	9.4	–	–	0.0	–	–
100.0	80.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.7	–	–
103.0	40.0	–	0.0	0.0	–	0.0	24.0	0.0	–	–	0.0	–	–
110.0	40.0	–	0.0	0.0	–	0.0	–	0.0	9.4	–	0.0	–	–
110.0	55.0	–	0.0	0.0	–	3.4	–	13.0	0.0	–	0.0	–	–
110.0	70.0	–	–	6.0	–	–	–	0.0	0.0	–	0.0	–	–
113.0	60.0	–	0.0	11.5	–	0.0	–	0.0	0.0	–	0.0	–	–
117.0	50.0	–	12.6	0.0	–	–	–	0.0	0.0	–	0.0	–	–
117.0	60.0	–	0.0	2.8	–	–	–	0.0	0.0	–	0.0	–	–
119.0	33.0	–	0.0	0.0	–	12.4	–	0.0	0.0	–	0.0	–	–
120.0	70.0	–	–	0.0	–	3.2	–	0.0	0.0	–	0.0	–	–

Nansenia candida

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	55.0	–	0.0	–	11.3	–	–	–	0.0	–	–	0.0	–
63.0	80.0	–	–	–	–	18.2	–	–	–	–	–	–	–
63.0	90.0	–	–	–	–	17.8	–	–	–	–	–	–	–
67.0	90.0	–	–	–	2.8	–	–	–	–	–	–	–	–
77.0	70.0	–	0.0	–	0.0	10.9	0.0	–	0.0	–	–	0.0	–
77.0	80.0	–	0.0	–	–	11.3	0.0	–	0.0	–	–	0.0	–
77.0	90.0	–	–	–	–	0.0	6.0	–	0.0	–	–	0.0	–

TABLE 4. (cont.)

Nansenia candida (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
80.0	90.0	-	0.0	0.0	-	3.0	8.6	-	0.0	-	-	0.0	-
83.0	80.0	0.0	-	0.0	-	6.3	0.0	-	0.0	-	0.0	-	-
83.0	90.0	-	0.0	0.0	-	17.4	0.0	-	0.0	-	0.0	-	-
87.0	90.0	0.0	-	0.0	-	25.5	0.0	-	0.0	-	0.0	-	-
90.0	60.0	0.0	-	0.0	-	0.0	0.0	2.8	-	-	-	0.0	-
90.0	70.0	0.0	-	0.0	-	0.0	2.9	0.0	-	-	-	0.0	-
90.0	90.0	0.0	-	0.0	-	3.1	0.0	0.0	-	-	-	0.0	-
93.0	50.0	0.0	-	0.0	-	0.0	0.0	14.2	-	-	0.0	-	0.0
93.0	60.0	0.0	-	0.0	-	0.0	0.0	2.9	-	-	-	0.0	-
93.0	80.0	0.0	-	0.0	-	3.2	3.2	0.0	-	-	-	0.0	-
97.0	80.0	0.0	-	0.0	-	0.0	3.4	0.0	-	-	0.0	-	-
100.0	30.0	-	-	11.9	-	0.0	0.0	-	-	-	0.0	-	-
100.0	32.0	-	0.0	0.0	-	0.0	0.0	2.6	-	-	0.0	-	-
100.0	80.0	-	0.0	0.0	-	3.8	0.0	0.0	-	-	0.0	-	-
103.0	70.0	-	0.0	0.0	-	3.4	0.0	0.0	-	-	0.0	-	-
107.0	60.0	-	0.0	3.0	-	-	0.0	-	0.0	-	0.0	-	-
107.0	70.0	-	-	2.6	-	-	0.0	0.0	-	-	0.0	-	-

Nansenia crassa

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
107.0	32.0	-	0.0	0.0	-	-	0.0	-	10.9	-	0.0	-	-
107.0	35.0	-	0.0	12.1	-	-	0.0	-	0.0	-	0.0	-	-
107.0	50.0	-	0.0	2.9	-	-	0.0	-	0.0	-	0.0	-	-
110.0	40.0	-	0.0	0.0	-	14.3	-	0.0	0.0	-	0.0	-	-
113.0	45.0	-	0.0	0.0	-	15.2	-	0.0	0.0	-	0.0	-	-
113.0	60.0	-	12.3	0.0	-	13.2	-	0.0	0.0	-	0.0	-	-
117.0	40.0	-	3.2	0.0	-	-	-	0.0	0.0	-	0.0	-	-
117.0	45.0	-	3.0	0.0	-	-	-	0.0	0.0	-	0.0	-	-
117.0	80.0	-	-	0.0	-	-	-	2.7	0.0	-	0.0	-	-
120.0	50.0	-	3.2	5.7	-	0.0	-	0.0	0.0	-	9.9	-	-
120.0	70.0	-	-	0.0	-	0.0	-	0.0	2.7	-	0.0	-	-
123.0	50.0	-	9.5	0.0	-	14.8	-	-	0.0	-	0.0	-	-
130.0	26.0	-	0.0	-	1.9	0.0	-	-	0.0	-	0.0	-	-
130.0	50.0	-	0.0	-	11.9	0.0	-	-	7.7	-	0.0	-	-
130.0	60.0	-	0.0	-	2.8	0.0	-	-	5.6	-	0.0	-	-
137.0	35.0	-	3.0	-	0.0	-	-	-	0.0	-	0.0	-	-
137.0	50.0	-	2.8	-	0.0	-	-	-	2.8	-	0.0	-	-
137.0	60.0	-	3.0	-	0.0	-	-	-	0.0	-	0.0	-	-

Bathylagus spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	65.0	-	0.0	-	-	10.2	-	-	0.0	-	-	0.0	-

TABLE 4. (cont.)

Bathylagus spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	70.0	–	0.0	–	–	11.3	–	–	0.0	–	–	0.0	–
63.0	80.0	–	–	–	–	9.1	–	–	–	–	–	–	–
70.0	53.0	–	0.0	–	5.2	–	0.0	–	0.0	–	–	0.0	–
70.0	70.0	–	0.0	–	5.2	–	0.0	–	0.0	–	–	0.0	–
70.0	80.0	–	0.0	–	21.2	–	0.0	–	0.0	–	–	0.0	–
77.0	48.0	–	0.0	–	0.0	9.0	0.0	–	0.0	–	–	0.0	–
77.0	90.0	–	–	–	–	2.9	0.0	–	0.0	–	–	0.0	–
80.0	90.0	–	0.0	0.0	–	8.9	0.0	–	0.0	–	–	0.0	–
83.0	41.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	2.9
83.0	43.0	0.0	–	0.0	–	31.0	0.0	–	0.0	–	0.0	–	0.0
85.0	38.0	0.0	–	0.0	–	13.1	0.0	–	0.0	–	0.0	–	–
87.0	45.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	52.0
87.0	50.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	11.0
87.0	60.0	0.0	–	–	–	0.0	0.0	–	0.0	–	0.0	–	6.4
87.0	70.0	0.0	–	0.0	–	0.0	0.0	–	2.9	–	0.0	–	–
87.0	90.0	0.0	–	0.0	–	2.8	0.0	–	0.0	–	0.0	–	–
90.0	29.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	0.0	–	26.6
90.0	53.0	0.0	–	3.0	–	0.0	0.0	0.0	–	–	–	0.0	–
91.5	28.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	0.0	–	9.4
91.5	29.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	0.0	–	6.3
91.5	30.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	0.0	–	6.0
93.0	30.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	0.0	–	12.0
93.0	40.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	11.9
93.0	45.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	12.0
93.0	100.0	2.9	–	0.0	–	–	–	–	–	–	–	–	–
94.0	32.0	0.0	–	10.4	–	–	–	0.0	–	–	–	–	–
97.0	31.0	0.0	–	0.0	–	0.0	0.0	11.4	–	–	0.0	–	–
100.0	31.0	–	0.0	0.0	–	0.0	0.0	2.6	–	–	0.0	–	–
100.0	70.0	–	0.0	0.0	–	7.4	0.0	0.0	–	–	0.0	–	–
100.0	80.0	–	0.0	0.0	–	3.8	0.0	0.0	–	–	0.0	–	–
100.0	90.0	–	–	–	–	–	–	0.0	–	–	2.7	–	–
103.0	30.0	–	0.0	0.0	–	0.0	0.0	10.0	–	–	0.0	–	–
103.0	31.0	–	0.0	0.0	–	0.0	0.0	11.4	–	–	0.0	–	–
103.0	80.0	–	0.0	0.0	–	–	0.0	0.0	–	–	2.6	–	–
107.0	50.0	–	0.0	2.9	–	–	11.6	–	0.0	–	0.0	–	–
107.0	60.0	–	0.0	3.0	–	–	0.0	–	0.0	–	0.0	–	–
110.0	35.0	–	0.0	11.4	–	0.0	–	0.0	0.0	–	0.0	–	–
110.0	45.0	–	0.0	0.0	–	0.0	–	0.0	10.0	–	0.0	–	–
117.0	70.0	–	–	2.8	–	–	–	0.0	0.0	–	0.0	–	–
127.0	35.0	–	0.0	–	2.7	–	–	–	0.0	–	0.0	–	–

Bathylagus milleri

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	52.0	–	0.0	–	2.5	–	–	–	0.0	–	–	0.0	–

TABLE 4. (cont.)

Bathylagus milleri (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
63.0	60.0	-	11.3	-	6.2	-	-	-	0.0	-	-	0.0	-
66.0	49.0	-	-	-	1.3	-	-	-	0.0	-	-	0.0	-
67.0	60.0	-	0.0	-	22.2	-	-	-	0.0	-	-	0.0	-
67.0	70.0	-	0.0	-	0.0	-	-	-	-	-	-	10.9	-
70.0	53.0	-	0.0	-	5.2	-	0.0	-	0.0	-	-	0.0	-
70.0	65.0	-	0.0	-	5.7	-	-	-	0.0	-	-	0.0	-
70.0	70.0	-	0.0	-	7.0	-	0.0	-	0.0	-	-	0.0	-
73.0	50.0	-	11.9	-	0.0	-	0.0	-	0.0	-	-	0.0	-
73.0	65.0	-	10.9	-	0.0	0.0	0.0	-	0.0	-	-	0.0	-
73.0	70.0	-	12.0	-	0.0	0.0	0.0	-	0.0	-	-	0.0	-
77.0	90.0	-	-	-	-	0.0	3.0	-	0.0	-	-	0.0	-
80.0	80.0	-	11.8	0.0	-	0.0	0.0	-	9.4	-	-	0.0	-
83.0	60.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	11.6
87.0	70.0	0.0	-	0.0	-	0.0	0.0	-	2.9	-	0.0	-	-
90.0	45.0	0.0	-	13.0	-	0.0	0.0	0.0	-	-	-	0.0	0.0

Bathylagus ochotensis

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	52.0	-	0.0	-	17.8	-	-	-	0.0	-	-	0.0	-
60.0	55.0	-	14.4	-	67.9	-	-	-	0.0	-	-	0.0	-
60.0	60.0	-	0.0	-	11.6	-	-	-	0.0	-	-	0.0	-
60.0	65.0	-	0.0	-	-	61.0	-	-	0.0	-	-	0.0	-
60.0	70.0	-	42.4	-	-	146.6	-	-	0.0	-	-	0.0	-
63.0	52.0	-	0.0	-	5.8	-	-	-	0.0	-	-	0.0	-
63.0	55.0	-	0.0	-	35.4	-	-	-	0.0	-	-	0.0	-
63.0	60.0	-	0.0	-	16.2	-	-	-	0.0	-	-	0.0	-
63.0	65.0	-	0.0	-	9.7	-	-	-	-	-	-	0.0	-
63.0	70.0	-	-	-	-	10.1	-	-	-	-	-	10.5	-
63.0	72.0	-	11.7	-	-	-	-	-	-	-	-	-	-
63.0	80.0	-	-	-	-	18.2	-	-	-	-	-	-	-
63.0	90.0	-	-	-	-	3.0	-	-	-	-	-	-	-
66.0	49.0	-	-	-	6.5	-	-	-	0.0	-	-	0.0	-
67.0	50.0	-	0.0	-	17.0	-	-	-	0.0	-	-	0.0	-
67.0	55.0	-	-	-	37.5	-	-	-	0.0	-	-	0.0	-
67.0	56.0	-	21.7	-	-	-	-	-	-	-	-	-	-
67.0	60.0	-	0.0	-	36.4	-	-	-	0.0	-	-	0.0	-
67.0	65.0	-	0.0	-	76.3	-	-	-	-	-	-	0.0	-
67.0	70.0	-	0.0	-	26.9	-	-	-	-	-	-	0.0	-
67.0	80.0	-	0.0	-	22.7	-	-	-	-	-	-	-	-
67.0	90.0	-	-	-	2.8	-	-	-	-	-	-	-	-
70.0	51.0	-	12.1	-	11.4	-	0.0	-	0.0	-	-	0.0	-
70.0	53.0	-	0.0	-	65.6	-	11.6	-	0.0	-	-	0.0	-
70.0	60.0	-	0.0	-	94.4	-	0.0	-	0.0	-	-	0.0	-
70.0	65.0	-	58.4	-	51.9	-	-	-	11.2	-	-	11.0	-

TABLE 4. (cont.)

Bathylagus ochotensis (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
70.0	70.0	-	53.4	-	99.4	-	0.0	-	0.0	-	-	0.0	-
70.0	80.0	-	0.0	-	63.6	-	11.4	-	0.0	-	-	0.0	-
70.0	90.0	-	-	-	20.2	-	17.8	-	0.0	-	-	0.0	-
73.0	50.0	-	0.0	-	39.9	-	0.0	-	0.0	-	-	0.0	-
73.0	53.0	-	0.0	-	78.7	23.2	15.8	-	0.0	-	-	0.0	-
73.0	60.0	-	0.0	-	89.6	120.0	36.0	-	0.0	-	-	0.0	-
73.0	65.0	-	10.9	-	163.5	0.0	9.4	-	0.0	-	-	0.0	-
73.0	70.0	-	24.1	-	11.1	11.0	0.0	-	0.0	-	-	0.0	-
73.0	80.0	-	0.0	-	-	21.8	62.4	-	0.0	-	-	0.0	-
73.0	90.0	-	-	-	-	11.1	31.2	-	0.0	-	-	0.0	-
77.0	48.0	-	0.0	-	0.0	0.0	2.1	-	0.0	-	-	0.0	-
77.0	51.0	-	0.0	-	0.0	11.1	12.2	-	-	-	-	0.0	-
77.0	55.0	-	-	-	50.0	23.0	23.6	-	0.0	-	-	0.0	-
77.0	60.0	-	0.0	-	128.8	33.7	48.6	-	0.0	-	-	0.0	-
77.0	65.0	-	0.0	-	79.5	11.4	0.0	-	10.3	-	-	0.0	-
77.0	70.0	-	0.0	-	12.5	0.0	0.0	-	0.0	-	-	0.0	-
77.0	80.0	-	0.0	-	-	0.0	0.0	-	14.3	-	-	0.0	-
77.0	90.0	-	-	-	-	0.0	18.1	-	0.0	-	-	0.0	-
80.0	50.1	-	0.0	1.8	-	0.0	0.0	-	0.0	-	-	0.0	-
80.0	54.0	-	0.0	0.0	-	22.9	23.3	-	0.0	-	-	0.0	-
80.0	55.0	-	0.0	11.7	-	0.0	0.0	-	0.0	-	-	0.0	-
80.0	60.0	-	0.0	11.3	-	23.2	24.3	-	0.0	-	-	0.0	-
80.0	70.0	-	0.0	21.9	-	42.7	13.0	-	0.0	-	-	0.0	-
80.0	80.0	-	0.0	12.5	-	0.0	11.1	-	0.0	-	-	0.0	-
80.0	90.0	-	0.0	25.5	-	14.9	17.2	-	0.0	-	-	0.0	-
81.5	43.5	0.0	-	0.0	-	8.9	0.0	-	0.0	-	0.0	-	-
81.5	45.0	0.0	-	12.0	-	0.0	0.0	-	0.0	-	0.0	-	-
83.0	39.4	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	1.3
83.0	41.0	0.0	-	2.8	-	0.0	0.0	-	0.0	-	0.0	-	2.9
83.0	43.0	0.0	-	0.0	-	15.5	0.0	-	0.0	-	0.0	-	0.0
83.0	45.0	0.0	-	0.0	-	12.8	0.0	-	0.0	-	0.0	-	0.0
83.0	48.0	0.0	-	0.0	-	11.0	0.0	-	0.0	-	0.0	-	0.0
83.0	50.0	0.0	-	2.6	-	2.5	0.0	-	0.0	-	0.0	-	0.0
83.0	55.0	0.0	-	0.0	-	21.1	0.0	-	0.0	-	0.0	-	0.0
83.0	60.0	0.0	-	37.0	-	60.6	0.0	-	11.2	-	0.0	-	0.0
83.0	70.0	0.0	-	36.1	-	0.0	12.5	-	0.0	-	-	-	-
83.0	80.0	0.0	-	12.0	-	12.6	2.7	-	0.0	-	0.0	-	-
83.0	90.0	-	0.0	9.9	-	17.4	20.7	-	0.0	-	0.0	-	-
85.0	38.0	0.0	-	25.8	-	0.0	0.0	-	0.0	-	0.0	-	-
85.0	39.0	0.0	-	0.0	-	24.8	0.0	-	0.0	-	0.0	-	-
85.0	40.0	0.0	-	12.9	-	0.0	0.0	-	0.0	-	0.0	-	-
87.0	32.7	-	0.0	4.3	-	0.0	0.0	-	0.0	-	0.0	-	0.0
87.0	34.0	-	0.0	0.0	-	9.7	0.0	-	0.0	-	0.0	-	0.0
87.0	35.0	-	0.0	0.0	-	11.4	0.0	-	0.0	-	0.0	-	0.0
87.0	36.0	-	0.0	0.0	-	26.1	0.0	-	0.0	-	0.0	-	0.0
87.0	40.0	0.0	-	95.2	-	0.0	0.0	-	0.0	-	0.0	-	48.6

TABLE 4. (cont.)

Bathylagus ochotensis (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
87.0	45.0	0.0	-	40.6	-	12.7	0.0	-	0.0	-	0.0	-	91.0
87.0	50.0	0.0	-	11.3	-	0.0	0.0	-	0.0	-	0.0	-	0.0
87.0	55.0	0.0	-	12.6	-	42.9	11.5	-	0.0	-	0.0	-	0.0
87.0	60.0	0.0	-	-	-	25.4	74.6	-	0.0	-	0.0	-	0.0
87.0	70.0	0.0	-	13.4	-	60.6	21.0	-	0.0	-	0.0	-	-
87.0	80.0	0.0	-	0.0	-	2.9	23.4	-	0.0	-	0.0	-	-
87.0	90.0	0.0	-	0.0	-	11.3	0.0	-	6.2	-	0.0	-	-
88.5	33.0	-	0.0	-	-	25.8	0.0	-	0.0	-	0.0	-	0.0
88.5	34.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	-	14.4
90.0	27.6	-	0.0	2.7	-	0.0	0.0	0.0	-	-	0.0	-	0.0
90.0	28.0	-	0.0	-	-	0.0	0.0	0.0	-	-	0.0	-	3.2
90.0	29.0	-	0.0	24.2	-	52.6	0.0	13.9	-	-	0.0	-	0.0
90.0	30.0	-	11.1	0.0	-	27.6	0.0	0.0	-	-	0.0	-	13.2
90.0	31.0	-	0.0	34.5	-	13.9	0.0	0.0	-	-	0.0	-	0.0
90.0	32.0	-	0.0	24.2	-	49.8	11.3	0.0	-	-	0.0	-	14.1
90.0	37.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-	61.6
90.0	45.0	0.0	-	38.9	-	0.0	12.8	0.0	-	-	-	0.0	48.8
90.0	53.0	0.0	-	12.2	-	13.4	0.0	0.0	-	-	-	0.0	-
90.0	60.0	5.9	-	31.6	-	13.7	21.0	2.8	-	-	-	0.0	-
90.0	70.0	0.0	-	0.0	-	11.0	22.9	6.2	-	-	-	0.0	-
90.0	80.0	0.0	-	5.8	-	12.7	11.7	2.9	-	-	-	0.0	-
90.0	90.0	0.0	-	0.0	-	3.1	3.0	2.9	-	-	-	0.0	-
90.0	100.0	0.0	-	11.7	-	-	-	-	-	-	-	-	-
91.5	27.0	-	-	10.0	-	0.0	-	-	-	-	-	-	-
91.5	28.0	-	0.0	71.5	-	0.0	0.0	0.0	-	-	0.0	-	6.3
91.5	29.0	-	0.0	98.9	-	78.0	0.0	0.0	-	-	0.0	-	9.5
91.5	30.0	-	0.0	27.0	-	14.2	0.0	0.0	-	-	0.0	-	6.0
93.0	28.0	-	0.0	24.6	-	0.0	0.0	0.0	-	-	0.0	-	0.0
93.0	29.0	-	11.9	88.5	-	0.0	0.0	0.0	-	-	0.0	-	0.0
93.0	30.0	-	0.0	197.4	-	0.0	0.0	0.0	-	-	0.0	-	24.1
93.0	35.0	0.0	-	12.3	-	41.8	0.0	0.0	-	-	0.0	-	22.2
93.0	40.0	0.0	-	0.0	-	0.0	11.0	0.0	-	-	0.0	-	23.8
93.0	45.0	0.0	-	34.9	-	0.0	0.0	0.0	-	-	0.0	-	24.0
93.0	50.0	0.0	-	82.6	-	0.0	0.0	0.0	-	-	0.0	-	0.0
93.0	55.0	0.0	-	0.0	-	0.0	17.1	0.0	-	-	0.0	-	-
93.0	60.0	0.0	-	12.5	-	36.5	3.0	0.0	-	-	-	2.8	-
93.0	70.0	0.0	-	23.6	-	3.5	11.6	0.0	-	-	-	0.0	-
93.0	80.0	0.0	-	15.4	-	32.3	0.0	2.8	-	-	-	0.0	-
93.0	90.0	0.0	-	9.7	-	-	0.0	6.2	-	-	-	0.0	-
93.0	100.0	0.0	-	6.3	-	-	-	-	-	-	-	-	-
94.0	32.0	0.0	-	10.4	-	-	-	0.0	-	-	-	-	-
95.0	29.0	-	0.0	11.2	-	0.0	0.0	0.0	-	-	0.0	-	-
95.0	30.0	-	0.0	65.9	-	0.0	0.0	0.0	-	-	0.0	-	-
95.0	31.0	-	0.0	24.6	-	13.8	14.2	0.0	-	-	0.0	-	-
95.0	32.0	-	0.0	50.2	-	0.0	0.0	3.0	-	-	0.0	-	-
97.0	29.0	0.0	-	5.1	-	0.0	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Bathylagus ochotensis (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
97.0	30.0	0.0	–	15.6	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	31.0	0.0	–	39.0	–	13.6	0.0	22.9	–	–	0.0	–	–
97.0	32.0	0.0	–	13.9	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	35.0	0.0	–	55.5	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	40.0	2.6	–	0.0	–	3.4	6.2	0.0	–	–	0.0	–	–
97.0	45.0	0.0	–	0.0	–	25.2	11.6	0.0	–	–	0.0	–	–
97.0	50.0	0.0	–	0.0	–	53.9	0.0	0.0	–	–	0.0	–	–
97.0	55.0	0.0	–	12.3	–	28.6	0.0	10.6	–	–	0.0	–	–
97.0	60.0	0.0	–	27.7	–	0.0	20.9	0.0	–	–	0.0	–	–
97.0	70.0	0.0	–	29.7	–	9.8	3.0	0.0	–	–	0.0	–	–
97.0	80.0	0.0	–	5.8	–	6.3	3.4	2.9	–	–	0.0	–	–
97.0	90.0	0.0	–	3.3	–	–	0.0	0.0	–	–	0.0	–	–
100.0	30.0	–	–	11.9	–	0.0	0.0	–	–	–	0.0	–	–
100.0	31.0	–	0.0	12.3	–	0.0	0.0	0.0	–	–	0.0	–	–
100.0	32.0	–	0.0	0.0	–	0.0	0.0	5.3	–	–	0.0	–	–
100.0	35.0	–	–	12.6	–	25.7	3.0	0.0	–	–	0.0	–	–
100.0	40.0	–	0.0	11.5	–	14.0	0.0	0.0	–	–	0.0	–	–
100.0	50.0	–	0.0	0.0	–	13.7	0.0	0.0	–	–	0.0	–	–
100.0	60.0	–	0.0	0.0	–	0.0	5.8	0.0	–	–	0.0	–	–
100.0	70.0	–	0.0	0.0	–	18.5	0.0	0.0	–	–	0.0	–	–
100.0	80.0	–	0.0	6.2	–	3.8	0.0	0.0	–	–	0.0	–	–
103.0	35.0	–	0.0	0.0	–	12.8	0.0	10.2	–	–	0.0	–	–
103.0	40.0	–	0.0	25.4	–	0.0	0.0	0.0	–	–	0.0	–	–
103.0	45.0	–	0.0	11.6	–	12.9	0.0	0.0	–	–	0.0	–	–
103.0	50.0	–	0.0	0.0	–	0.0	12.2	10.7	–	–	0.0	–	–
103.0	60.0	–	0.0	11.0	–	0.0	0.0	118.4	–	–	0.0	–	–
103.0	70.0	–	0.0	0.0	–	3.4	0.0	0.0	–	–	0.0	–	–
107.0	32.0	–	0.0	0.0	–	–	12.3	–	0.0	–	0.0	–	–
107.0	34.0	–	0.0	0.0	–	–	25.4	–	0.0	–	0.0	–	–
107.0	60.0	–	0.0	0.0	–	–	11.8	–	0.0	–	0.0	–	–
110.0	34.0	–	0.0	0.0	–	3.4	–	0.0	0.0	–	0.0	–	–
110.0	35.0	–	0.0	0.0	–	54.2	–	0.0	0.0	–	0.0	–	–
110.0	50.0	–	0.0	0.0	–	0.0	–	12.7	0.0	–	0.0	–	–
113.0	35.0	–	0.0	0.0	–	3.3	–	0.0	0.0	–	0.0	–	–
113.0	45.0	–	0.0	0.0	–	15.2	–	0.0	0.0	–	0.0	–	–
117.0	30.0	–	0.0	0.0	–	–	–	11.0	0.0	–	0.0	–	–

Bathylagus pacificus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	65.0	–	0.0	–	–	10.2	–	–	0.0	–	–	0.0	–
63.0	55.0	–	0.0	–	5.0	–	–	–	0.0	–	–	0.0	–
63.0	60.0	–	0.0	–	5.0	–	–	–	0.0	–	–	0.0	–
63.0	65.0	–	0.0	–	38.9	–	–	–	–	–	–	0.0	–
67.0	55.0	–	–	–	6.4	–	–	–	0.0	–	–	0.0	–

TABLE 4. (cont.)

Bathylagus pacificus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
67.0	60.0	–	0.0	–	5.8	–	–	–	0.0	–	–	0.0	–
67.0	65.0	–	0.0	–	4.7	–	–	–	–	–	–	0.0	–
67.0	70.0	–	0.0	–	14.7	–	–	–	–	–	–	0.0	–
67.0	80.0	–	0.0	–	11.4	–	–	–	–	–	–	–	–
67.0	90.0	–	–	–	14.3	–	–	–	–	–	–	–	–
70.0	51.0	–	0.0	–	10.5	–	0.0	–	0.0	–	–	0.0	–
70.0	53.0	–	0.0	–	5.2	–	0.0	–	0.0	–	–	0.0	–
70.0	60.0	–	0.0	–	0.0	–	12.5	–	0.0	–	–	0.0	–
70.0	65.0	–	0.0	–	18.0	–	–	–	0.0	–	–	0.0	–
70.0	70.0	–	0.0	–	5.2	–	0.0	–	0.0	–	–	0.0	–
70.0	80.0	–	0.0	–	21.2	–	0.0	–	0.0	–	–	0.0	–
70.0	90.0	–	–	–	5.8	–	0.0	–	0.0	–	–	0.0	–
73.0	53.0	–	0.0	–	0.0	11.6	0.0	–	0.0	–	–	0.0	–
73.0	60.0	–	11.5	–	0.0	0.0	0.0	–	0.0	–	–	0.0	–
73.0	65.0	–	0.0	–	23.4	0.0	0.0	–	0.0	–	–	0.0	–
73.0	90.0	–	–	–	–	0.0	0.0	–	3.0	–	–	0.0	–
77.0	60.0	–	0.0	–	12.9	0.0	0.0	–	0.0	–	–	0.0	–
77.0	65.0	–	0.0	–	0.0	0.0	11.2	–	0.0	–	–	0.0	–
77.0	90.0	–	–	–	–	0.0	6.0	–	0.0	–	–	0.0	–
80.0	90.0	–	0.0	0.0	–	0.0	2.9	–	0.0	–	–	0.0	–
87.0	55.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	12.9
87.0	80.0	0.0	–	2.8	–	0.0	0.0	–	0.0	–	0.0	–	–
87.0	90.0	0.0	–	0.0	–	2.8	0.0	–	0.0	–	0.0	–	–
90.0	70.0	0.0	–	3.0	–	0.0	0.0	0.0	–	–	–	0.0	–
90.0	90.0	0.0	–	0.0	–	3.1	0.0	0.0	–	–	–	0.0	–
93.0	80.0	0.0	–	3.1	–	0.0	0.0	0.0	–	–	–	0.0	–
93.0	90.0	0.0	–	0.0	–	–	3.2	0.0	–	–	–	0.0	–
97.0	70.0	0.0	–	3.3	–	0.0	0.0	0.0	–	–	0.0	–	–
103.0	35.0	–	0.0	12.4	–	0.0	0.0	0.0	–	–	0.0	–	–
103.0	60.0	–	0.0	11.0	–	0.0	0.0	0.0	–	–	0.0	–	–
107.0	50.0	–	0.0	2.9	–	–	0.0	–	0.0	–	0.0	–	–
107.0	70.0	–	–	5.2	–	–	0.0	0.0	–	–	0.0	–	–
113.0	50.0	–	0.0	0.0	–	15.0	–	0.0	0.0	–	0.0	–	–
120.0	60.0	–	0.0	0.0	–	0.0	–	12.4	0.0	–	0.0	–	–

Bathylagus wesethi

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
77.0	80.0	–	0.0	–	–	11.3	0.0	–	0.0	–	–	0.0	–
77.0	90.0	–	–	–	–	11.7	6.0	–	0.0	–	–	2.8	–
80.0	80.0	–	0.0	0.0	–	0.0	11.1	–	0.0	–	–	0.0	–
80.0	90.0	–	12.1	0.0	–	6.0	2.9	–	0.0	–	–	2.5	–
83.0	80.0	0.0	–	0.0	–	0.0	0.0	–	2.7	–	19.8	–	–
83.0	90.0	–	10.6	0.0	–	0.0	14.8	–	5.9	–	5.7	–	–
87.0	60.0	0.0	–	–	–	0.0	0.0	–	12.4	–	0.0	–	0.0

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
87.0	70.0	0.0	-	0.0	-	0.0	9.0	-	2.9	-	2.8	-	-
87.0	80.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	36.4	-	-
90.0	60.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-	23.2	-
90.0	80.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-	27.7	-
90.0	90.0	2.7	-	0.0	-	9.3	0.0	0.0	-	-	-	16.1	-
90.0	100.0	2.9	-	0.0	-	-	-	-	-	-	-	-	-
93.0	50.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	2.7	-	0.0
93.0	55.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	9.3	-	-
93.0	60.0	0.0	-	0.0	-	0.0	0.0	14.7	-	-	-	0.0	-
93.0	70.0	0.0	-	0.0	-	0.0	0.0	12.1	-	-	-	2.8	-
93.0	80.0	2.8	-	0.0	-	12.9	48.2	5.7	-	-	-	2.6	-
93.0	90.0	2.6	-	0.0	-	-	3.2	0.0	-	-	-	2.9	-
93.0	100.0	2.9	-	0.0	-	-	-	-	-	-	-	-	-
97.0	55.0	0.0	-	0.0	-	0.0	0.0	10.6	-	-	0.0	-	-
97.0	60.0	0.0	-	0.0	-	0.0	0.0	7.8	-	-	0.0	-	-
97.0	70.0	2.8	-	0.0	-	0.0	6.1	49.0	-	-	0.0	-	-
97.0	80.0	0.0	-	0.0	-	0.0	53.9	2.9	-	-	0.0	-	-
97.0	90.0	0.0	-	0.0	-	-	27.3	11.1	-	-	8.8	-	-
100.0	50.0	-	0.0	0.0	-	13.7	12.8	0.0	-	-	0.0	-	-
100.0	60.0	-	0.0	0.0	-	15.1	23.3	101.2	-	-	10.6	-	-
100.0	70.0	-	0.0	11.7	-	48.0	32.7	84.5	-	-	3.1	-	-
100.0	80.0	-	0.0	34.0	-	201.4	9.2	47.0	-	-	37.9	-	-
100.0	90.0	-	-	-	-	-	-	144.5	-	-	2.7	-	-
103.0	32.0	-	0.0	0.0	-	0.0	0.0	12.2	-	-	0.0	-	-
103.0	35.0	-	0.0	0.0	-	12.8	0.0	0.0	-	-	0.0	-	-
103.0	40.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	10.5	-	-
103.0	45.0	-	0.0	0.0	-	38.6	0.0	0.0	-	-	0.0	-	-
103.0	50.0	-	27.6	0.0	-	28.9	0.0	0.0	-	-	32.4	-	-
103.0	60.0	-	0.0	0.0	-	13.7	0.0	0.0	-	-	13.5	-	-
103.0	70.0	-	2.9	0.0	-	17.1	26.6	38.3	-	-	9.4	-	-
103.0	80.0	-	0.0	3.9	-	-	55.3	61.1	-	-	12.9	-	-
103.0	90.0	-	-	-	-	-	-	17.2	-	-	0.0	-	-
107.0	30.3	-	0.0	0.0	-	-	1.9	-	0.0	-	0.0	-	-
107.0	33.0	-	0.0	0.0	-	-	0.0	-	22.8	-	0.0	-	-
107.0	34.0	-	0.0	0.0	-	-	0.0	-	10.8	-	0.0	-	-
107.0	35.0	-	0.0	12.1	-	-	0.0	-	0.0	-	0.0	-	-
107.0	50.0	-	0.0	8.8	-	-	34.9	-	10.0	-	2.7	-	-
107.0	60.0	-	36.4	0.0	-	-	23.5	-	51.8	-	0.0	-	-
107.0	70.0	-	-	0.0	-	-	120.5	37.0	-	-	2.5	-	-
107.0	80.0	-	-	2.8	-	-	21.8	8.2	-	-	0.0	-	-
107.0	90.0	-	-	-	-	-	-	14.3	-	-	2.8	-	-
110.0	34.0	-	0.0	0.0	-	3.4	-	0.0	0.0	-	0.0	-	-
110.0	35.0	-	0.0	0.0	-	13.6	-	0.0	0.0	-	0.0	-	-
110.0	40.0	-	0.0	0.0	-	14.3	-	0.0	0.0	-	0.0	-	-
110.0	45.0	-	0.0	0.0	-	13.6	-	0.0	0.0	-	0.0	-	-
110.0	50.0	-	11.4	0.0	-	40.8	-	0.0	0.0	-	0.0	-	-

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
110.0	55.0	-	8.5	0.0	-	3.4	-	0.0	0.0	-	0.0	-	-
110.0	60.0	-	12.2	11.8	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	70.0	-	-	6.0	-	-	-	32.2	7.9	-	0.0	-	-
110.0	80.0	-	-	2.9	-	-	-	30.6	69.6	-	0.0	-	-
113.0	35.0	-	0.0	0.0	-	0.0	-	0.0	11.1	-	0.0	-	-
113.0	40.0	-	0.0	0.0	-	0.0	-	37.7	0.0	-	0.0	-	-
113.0	50.0	-	0.0	0.0	-	0.0	-	21.5	0.0	-	0.0	-	-
113.0	60.0	-	0.0	11.5	-	0.0	-	12.2	21.6	-	0.0	-	-
113.0	70.0	-	-	9.0	-	0.0	-	30.1	25.2	-	0.0	-	-
113.0	80.0	-	-	5.8	-	-	-	26.0	20.6	-	0.0	-	-
117.0	40.0	-	0.0	0.0	-	-	-	0.0	11.1	-	0.0	-	-
117.0	60.0	-	3.0	8.4	-	-	-	35.2	2.7	-	0.0	-	-
117.0	70.0	-	-	0.0	-	-	-	6.1	127.4	-	0.0	-	-
117.0	80.0	-	-	0.0	-	-	-	24.6	172.4	-	0.0	-	-
119.0	33.0	-	0.0	0.0	-	0.0	-	0.0	11.6	-	0.0	-	-
120.0	35.0	-	0.0	0.0	-	0.0	-	0.0	10.6	-	0.0	-	-
120.0	60.0	-	0.0	0.0	-	41.9	-	0.0	0.0	-	0.0	-	-
120.0	70.0	-	-	2.9	-	12.7	-	20.0	26.9	-	0.0	-	-
120.0	80.0	-	-	2.8	-	-	-	6.3	29.0	-	0.0	-	-
123.0	37.0	-	0.0	-	0.0	0.0	-	-	8.2	-	0.0	-	-
123.0	39.0	-	0.0	-	0.0	12.6	-	-	20.1	-	0.0	-	-
123.0	42.0	-	0.0	-	0.0	0.0	-	-	2.7	-	0.0	-	-
123.0	45.0	-	0.0	0.0	-	0.0	-	-	19.4	-	0.0	-	-
123.0	50.0	-	0.0	22.8	-	0.0	-	-	0.0	-	0.0	-	-
123.0	60.0	-	0.0	0.0	-	0.0	-	-	0.0	-	3.1	-	-
127.0	35.0	-	0.0	-	0.0	-	-	-	4.7	-	0.0	-	-
127.0	40.0	-	0.0	-	0.0	-	-	-	46.4	-	0.0	-	-
127.0	50.0	-	0.0	-	0.0	-	-	-	10.2	-	0.0	-	-
130.0	40.0	-	0.0	-	0.0	0.0	-	-	11.6	-	45.0	-	-
130.0	50.0	-	0.0	-	0.0	0.0	-	-	20.6	-	0.0	-	-
130.0	60.0	-	0.0	-	0.0	0.0	-	-	8.4	-	2.8	-	-
133.0	30.0	-	0.0	-	0.0	-	-	-	10.0	-	0.0	-	-
133.0	35.0	-	0.0	-	0.0	-	-	-	10.2	-	0.0	-	-
137.0	35.0	-	0.0	-	0.0	-	-	-	12.8	-	0.0	-	-

Leuroglossus stilbius

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	65.0	-	12.1	-	-	0.0	-	-	0.0	-	-	0.0	-
60.0	70.0	-	31.8	-	-	0.0	-	-	0.0	-	-	0.0	-
63.0	55.0	-	0.0	-	10.0	-	-	-	0.0	-	-	0.0	-
63.0	60.0	-	11.3	-	0.0	-	-	-	0.0	-	-	0.0	-
63.0	65.0	-	11.6	-	0.0	-	-	-	-	-	-	0.0	-
66.0	49.0	-	-	-	0.0	-	-	-	0.0	-	-	2.5	-
67.0	50.0	-	0.0	-	10.7	-	-	-	0.0	-	-	0.0	-

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
67.0	55.0	-	-	-	55.3	-	-	-	0.0	-	-	0.0	-
67.0	60.0	-	0.0	-	5.8	-	-	-	0.0	-	-	0.0	-
67.0	65.0	-	0.0	-	14.1	-	-	-	-	-	-	0.0	-
67.0	70.0	-	12.6	-	7.3	-	-	-	-	-	-	0.0	-
67.0	80.0	-	12.1	-	22.7	-	-	-	-	-	-	-	-
70.0	53.0	-	22.4	-	28.2	-	23.1	-	0.0	-	-	0.0	-
70.0	60.0	-	0.0	-	81.8	-	12.5	-	0.0	-	-	0.0	-
70.0	65.0	-	0.0	-	60.6	-	-	-	0.0	-	-	0.0	-
70.0	70.0	-	0.0	-	55.6	-	36.0	-	0.0	-	-	0.0	-
70.0	80.0	-	0.0	-	31.8	-	0.0	-	0.0	-	-	0.0	-
73.0	53.0	-	37.3	-	144.3	69.6	0.0	-	0.0	-	-	0.0	-
73.0	60.0	-	34.6	-	217.6	240.0	0.0	-	0.0	-	-	0.0	-
73.0	65.0	-	21.8	-	35.0	0.0	0.0	-	0.0	-	-	0.0	-
77.0	51.0	-	0.0	-	47.7	66.5	12.2	-	-	-	-	0.0	-
77.0	55.0	-	-	-	266.9	115.2	11.8	-	0.0	-	-	0.0	-
77.0	60.0	-	23.0	-	296.2	78.7	12.2	-	0.0	-	-	0.0	-
77.0	65.0	-	11.0	-	125.0	0.0	11.2	-	0.0	-	-	0.0	-
77.0	70.0	-	0.0	-	12.5	0.0	0.0	-	0.0	-	-	0.0	-
77.0	90.0	-	-	-	-	0.0	3.0	-	0.0	-	-	0.0	-
80.0	50.1	-	1.9	0.0	-	0.0	0.0	-	0.0	-	-	0.0	-
80.0	51.0	-	0.0	18.9	-	0.0	0.0	-	0.0	-	-	2.6	-
80.0	52.0	-	14.5	49.4	-	11.0	0.0	-	3.1	-	-	0.0	-
80.0	53.0	-	76.8	20.5	-	22.0	0.0	-	0.0	-	-	0.0	-
80.0	54.0	-	48.6	41.4	-	91.5	0.0	-	0.0	-	-	0.0	-
80.0	55.0	-	24.7	105.1	-	23.4	0.0	-	0.0	-	-	0.0	-
80.0	60.0	-	22.2	22.6	-	0.0	12.2	-	0.0	-	-	0.0	-
80.0	70.0	-	13.2	11.0	-	21.4	13.0	-	0.0	-	-	0.0	-
80.0	80.0	-	11.8	0.0	-	0.0	0.0	-	0.0	-	-	0.0	-
80.0	90.0	-	0.0	6.4	-	0.0	2.9	-	0.0	-	-	0.0	-
81.5	43.5	0.0	-	0.0	-	8.9	0.0	-	0.0	-	2.6	-	-
81.5	44.5	12.2	-	32.5	-	0.0	0.0	-	0.0	-	0.0	-	-
81.5	45.0	38.9	-	132.4	-	84.8	3.0	-	0.0	-	0.0	-	-
81.5	46.0	27.7	-	159.8	-	118.8	11.0	-	0.0	-	0.0	-	-
81.5	47.0	39.6	-	145.6	-	51.0	0.0	-	0.0	-	0.0	-	-
83.0	39.4	0.0	-	15.1	-	0.0	0.0	-	0.0	-	0.0	-	2.5
83.0	40.6	0.0	-	6.8	-	9.9	0.0	-	0.0	-	0.0	-	-
83.0	41.0	2.8	-	54.1	-	181.8	10.3	-	0.0	-	0.0	-	5.7
83.0	42.0	113.4	-	317.0	-	31.3	23.6	-	0.0	-	0.0	-	298.3
83.0	43.0	37.9	-	88.5	-	124.2	0.0	-	0.0	-	0.0	-	229.2
83.0	44.0	0.0	-	365.4	-	28.8	0.0	-	0.0	-	0.0	-	279.8
83.0	44.7	0.0	-	21.6	-	10.9	0.0	-	0.0	-	0.0	-	-
83.0	45.0	0.0	-	41.4	-	25.6	0.0	-	0.0	-	0.0	-	0.0
83.0	48.0	0.0	-	23.9	-	33.0	0.0	-	0.0	-	0.0	-	40.7
83.0	49.0	0.0	-	4.2	-	0.0	0.0	-	0.0	-	0.0	-	0.0
83.0	50.0	2.0	-	13.2	-	0.0	0.0	-	0.0	-	0.0	-	9.8
83.0	51.0	0.0	-	23.5	-	19.3	8.3	-	0.0	-	0.0	-	193.8

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
83.0	55.0	46.2	-	313.9	-	84.5	0.0	-	0.0	-	0.0	-	143.0
83.0	60.0	29.3	-	24.6	-	60.6	0.0	-	0.0	-	0.0	-	34.8
83.0	70.0	0.0	-	12.0	-	0.0	25.0	-	0.0	-	-	-	-
83.0	80.0	0.0	-	0.0	-	0.0	5.4	-	0.0	-	0.0	-	-
83.0	90.0	-	10.6	0.0	-	0.0	0.0	-	0.0	-	0.0	-	-
85.0	37.2	-	0.0	9.8	-	0.0	0.0	-	0.0	-	0.0	-	-
85.0	37.5	0.0	-	41.9	-	0.0	0.0	-	0.0	-	0.0	-	-
85.0	38.0	35.9	-	64.6	-	65.6	0.0	-	0.0	-	0.0	-	-
85.0	39.0	24.4	-	633.6	-	136.4	12.9	-	0.0	-	0.0	-	-
85.0	40.0	49.0	-	2131.8	-	330.5	12.2	-	0.0	-	0.0	-	-
87.0	32.5	-	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	-	12.9
87.0	33.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	-	2.7
87.0	34.0	-	0.0	11.2	-	0.0	0.0	-	0.0	-	0.0	-	3.0
87.0	35.0	-	11.3	37.4	-	114.0	0.0	-	0.0	-	0.0	-	214.2
87.0	36.0	-	0.0	61.0	-	221.7	30.4	-	0.0	-	0.0	-	189.8
87.0	40.0	11.7	-	1169.6	-	63.6	0.0	-	11.8	-	0.0	-	145.9
87.0	45.0	0.0	-	730.1	-	229.0	0.0	-	0.0	-	0.0	-	156.0
87.0	50.0	10.6	-	146.6	-	8.6	0.0	-	0.0	-	0.0	-	87.7
87.0	55.0	41.9	-	389.4	-	128.6	23.0	-	0.0	-	0.0	-	51.5
87.0	60.0	70.6	-	-	-	38.0	0.0	-	0.0	-	0.0	-	6.4
87.0	70.0	0.0	-	30.1	-	79.8	3.0	-	0.0	-	0.0	-	-
87.0	80.0	0.0	-	5.5	-	0.0	0.0	-	3.2	-	0.0	-	-
87.0	90.0	0.0	-	0.0	-	2.8	0.0	-	0.0	-	0.0	-	-
88.5	30.4	-	0.0	2.1	-	0.0	0.0	0.0	-	-	0.0	-	0.0
88.5	31.0	-	0.0	4.3	-	0.0	0.0	-	0.0	-	0.0	-	2.5
88.5	32.0	-	0.0	7.9	-	0.0	0.0	-	0.0	-	0.0	-	0.0
88.5	33.0	-	0.0	-	-	310.1	0.0	-	0.0	-	11.7	-	291.3
88.5	34.0	-	0.0	130.2	-	351.0	0.0	-	0.0	-	0.0	-	100.8
90.0	27.6	-	0.0	2.7	-	0.0	0.0	0.0	-	-	0.0	-	0.0
90.0	28.0	-	5.9	-	-	69.6	23.0	0.0	-	-	0.0	-	28.4
90.0	29.0	-	0.0	132.9	-	284.0	23.2	0.0	-	-	0.0	-	266.4
90.0	30.0	-	11.1	0.0	-	124.2	0.0	0.0	-	-	0.0	-	53.0
90.0	31.0	-	12.1	93.2	-	83.5	0.0	0.0	-	-	0.0	-	115.9
90.0	32.0	-	12.8	72.7	-	186.6	11.3	0.0	-	-	0.0	-	127.1
90.0	37.0	0.0	-	67.4	-	97.2	0.0	0.0	-	-	0.0	-	123.2
90.0	45.0	25.2	-	427.7	-	54.7	12.8	0.0	-	-	-	0.0	12.2
90.0	53.0	36.5	-	51.8	-	107.2	0.0	0.0	-	-	-	0.0	-
90.0	60.0	5.9	-	56.9	-	65.0	14.0	0.0	-	-	-	0.0	-
90.0	70.0	0.0	-	33.5	-	11.0	5.7	0.0	-	-	-	0.0	-
90.0	80.0	0.0	-	5.8	-	9.5	0.0	0.0	-	-	-	0.0	-
90.0	90.0	0.0	-	8.6	-	3.1	0.0	0.0	-	-	-	0.0	-
91.5	26.5	-	0.0	2.0	-	0.0	0.0	-	-	-	0.0	-	0.0
91.5	26.8	-	0.0	-	-	-	0.0	0.0	-	-	0.0	-	2.7
91.5	28.0	-	0.0	393.4	-	26.1	0.0	0.0	-	-	0.0	-	210.4
91.5	29.0	-	12.8	667.4	-	156.0	11.9	0.0	-	-	0.0	-	183.9
91.5	30.0	-	25.2	405.6	-	369.2	0.0	0.0	-	-	0.0	-	89.4

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
93.0	28.0	-	0.0	171.9	-	158.4	0.0	11.8	-	-	2.9	-	23.8
93.0	29.0	-	11.9	202.2	-	41.0	6.4	0.0	-	-	0.0	-	88.5
93.0	30.0	-	12.2	105.3	-	0.0	12.8	0.0	-	-	0.0	-	96.3
93.0	35.0	0.0	-	49.3	-	83.5	0.0	0.0	-	-	0.0	-	22.2
93.0	40.0	0.0	-	116.0	-	0.0	11.0	0.0	-	-	0.0	-	131.1
93.0	45.0	0.0	-	23.3	-	30.0	0.0	12.1	-	-	0.0	-	132.0
93.0	50.0	0.0	-	11.8	-	14.3	0.0	0.0	-	-	2.7	-	50.2
93.0	60.0	0.0	-	25.0	-	39.5	3.0	2.9	-	-	-	0.0	-
93.0	70.0	0.0	-	26.6	-	10.4	5.8	0.0	-	-	-	0.0	-
93.0	80.0	0.0	-	43.1	-	12.9	6.4	0.0	-	-	-	0.0	-
93.0	90.0	0.0	-	19.4	-	-	0.0	3.1	-	-	-	0.0	-
94.0	32.0	0.0	-	135.2	-	-	-	0.0	-	-	-	-	-
95.0	29.0	-	0.0	11.2	-	0.0	0.0	0.0	-	-	0.0	-	-
95.0	30.0	-	0.0	69.1	-	13.2	39.0	0.0	-	-	0.0	-	-
95.0	31.0	-	0.0	86.2	-	123.8	28.4	0.0	-	-	0.0	-	-
95.0	32.0	-	0.0	100.5	-	69.4	13.9	0.0	-	-	0.0	-	-
97.0	28.8	0.0	-	2.1	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	29.0	0.0	-	22.9	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	30.0	0.0	-	7.8	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	31.0	11.3	-	104.0	-	122.8	0.0	0.0	-	-	0.0	-	-
97.0	32.0	0.0	-	124.9	-	86.6	0.0	0.0	-	-	11.4	-	-
97.0	35.0	0.0	-	1165.9	-	13.2	13.8	0.0	-	-	0.0	-	-
97.0	40.0	2.6	-	0.0	-	16.8	6.2	0.0	-	-	0.0	-	-
97.0	45.0	0.0	-	176.4	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	50.0	0.0	-	121.0	-	121.3	0.0	0.0	-	-	0.0	-	-
97.0	55.0	0.0	-	37.0	-	157.1	0.0	0.0	-	-	0.0	-	-
97.0	60.0	0.0	-	41.5	-	39.1	0.0	0.0	-	-	0.0	-	-
97.0	70.0	0.0	-	36.3	-	45.8	0.0	0.0	-	-	0.0	-	-
97.0	80.0	0.0	-	0.0	-	3.2	0.0	0.0	-	-	3.1	-	-
100.0	30.0	-	-	119.2	-	26.7	24.5	-	-	-	0.0	-	-
100.0	31.0	-	0.0	86.2	-	22.7	11.8	0.0	-	-	0.0	-	-
100.0	32.0	-	0.0	35.3	-	13.0	0.0	5.3	-	-	0.0	-	-
100.0	35.0	-	-	0.0	-	166.9	5.9	0.0	-	-	0.0	-	-
100.0	40.0	-	0.0	45.9	-	112.0	0.0	0.0	-	-	0.0	-	-
100.0	50.0	-	0.0	12.5	-	13.7	0.0	11.8	-	-	0.0	-	-
100.0	60.0	-	0.0	11.6	-	0.0	0.0	0.0	-	-	0.0	-	-
100.0	70.0	-	0.0	0.0	-	3.7	0.0	0.0	-	-	0.0	-	-
103.0	31.0	-	0.0	10.6	-	0.0	0.0	0.0	-	-	0.0	-	-
103.0	32.0	-	0.0	47.4	-	46.9	0.0	24.4	-	-	0.0	-	-
103.0	35.0	-	0.0	24.9	-	12.8	0.0	0.0	-	-	0.0	-	-
103.0	40.0	-	0.0	25.4	-	0.0	0.0	0.0	-	-	10.5	-	-
103.0	45.0	-	0.0	0.0	-	0.0	12.8	0.0	-	-	0.0	-	-
103.0	50.0	-	0.0	0.0	-	14.4	0.0	0.0	-	-	0.0	-	-
103.0	70.0	-	0.0	0.0	-	3.4	0.0	0.0	-	-	0.0	-	-
103.0	80.0	-	0.0	3.0	-	-	0.0	0.0	-	-	0.0	-	-
107.0	31.0	-	0.0	0.0	-	-	9.2	-	0.0	-	0.0	-	-

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
107.0	32.0	–	0.0	36.8	–	–	24.6	–	21.8	–	0.0	–	–
107.0	33.0	–	0.0	12.0	–	–	33.1	–	0.0	–	0.0	–	–
107.0	50.0	–	0.0	0.0	–	–	11.6	–	0.0	–	0.0	–	–
107.0	60.0	–	0.0	0.0	–	–	11.8	–	0.0	–	0.0	–	–
110.0	32.4	–	0.0	19.4	–	0.0	–	0.0	–	–	0.0	–	–
110.0	33.0	–	0.0	11.1	–	0.0	–	0.0	0.0	–	0.0	–	–
110.0	34.0	–	0.0	22.5	–	3.4	–	0.0	0.0	–	0.0	–	–
110.0	35.0	–	0.0	193.1	–	54.2	–	0.0	0.0	–	0.0	–	–
110.0	40.0	–	0.0	0.0	–	14.3	–	0.0	9.4	–	0.0	–	–
110.0	45.0	–	0.0	24.6	–	0.0	–	12.3	0.0	–	0.0	–	–
110.0	50.0	–	0.0	0.0	–	13.6	–	12.7	0.0	–	0.0	–	–
110.0	55.0	–	0.0	0.0	–	3.4	–	13.0	0.0	–	0.0	–	–
110.0	60.0	–	0.0	11.8	–	0.0	–	0.0	0.0	–	0.0	–	–
113.0	32.0	–	0.0	0.0	–	21.8	–	0.0	0.0	–	0.0	–	–
113.0	35.0	–	0.0	23.6	–	9.8	–	0.0	0.0	–	0.0	–	–
113.0	40.0	–	0.0	51.2	–	13.8	–	0.0	0.0	–	0.0	–	–
113.0	45.0	–	0.0	0.0	–	45.5	–	0.0	0.0	–	0.0	–	–
113.0	70.0	–	–	0.0	–	0.0	–	3.0	0.0	–	0.0	–	–
117.0	35.0	–	0.0	0.0	–	–	–	0.0	10.6	–	0.0	–	–
117.0	40.0	–	0.0	12.4	–	–	–	0.0	0.0	–	0.0	–	–
117.0	45.0	–	0.0	2.9	–	–	–	0.0	0.0	–	0.0	–	–
119.0	33.0	–	0.0	0.0	–	0.0	–	11.8	0.0	–	0.0	–	–
120.0	45.0	–	0.0	14.5	–	102.1	–	0.0	0.0	–	0.0	–	–
120.0	50.0	–	0.0	0.0	–	26.1	–	0.0	0.0	–	0.0	–	–
123.0	38.0	–	0.0	–	0.0	28.6	–	–	0.0	–	0.0	–	–
123.0	39.0	–	0.0	–	10.9	0.0	–	–	0.0	–	0.0	–	–
123.0	42.0	–	0.0	–	0.0	68.0	–	–	0.0	–	0.0	–	–
127.0	36.0	–	0.0	–	212.4	–	–	–	0.0	–	0.0	–	–
127.0	40.0	–	0.0	–	23.4	–	–	–	0.0	–	0.0	–	–
130.0	30.0	–	0.0	–	8.0	0.0	–	–	0.0	–	0.0	–	–
130.0	60.0	–	0.0	–	0.0	3.4	–	–	0.0	–	0.0	–	–
133.0	30.0	–	0.0	–	5.6	–	–	–	0.0	–	0.0	–	–
133.0	35.0	–	0.0	–	2.8	–	–	–	0.0	–	11.4	–	–
133.0	50.0	–	0.0	–	0.0	–	–	–	0.0	–	11.2	–	–
137.0	30.0	–	0.0	–	6.6	–	–	–	0.0	–	0.0	–	–

Macropinna microstoma

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
83.0	60.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	11.6
120.0	50.0	–	3.2	0.0	–	0.0	–	0.0	0.0	–	0.0	–	–

TABLE 4. (cont.)

Stomiiformes

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
80.0	70.0	-	0.0	11.0	-	0.0	0.0	-	0.0	-	-	0.0	-
120.0	60.0	-	2.9	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-

Gonostomatidae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
77.0	60.0	-	0.0	-	12.9	0.0	0.0	-	0.0	-	-	0.0	-
80.0	60.0	-	11.1	0.0	-	0.0	0.0	-	0.0	-	-	0.0	-
80.0	90.0	-	0.0	0.0	-	6.0	0.0	-	0.0	-	-	0.0	-
87.0	45.0	0.0	-	13.5	-	0.0	0.0	-	0.0	-	0.0	-	0.0
87.0	80.0	0.0	-	2.8	-	0.0	0.0	-	0.0	-	0.0	-	-
90.0	60.0	2.9	-	0.0	-	0.0	0.0	0.0	-	-	-	0.0	-
93.0	55.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	9.3	-	-
93.0	60.0	0.0	-	3.1	-	0.0	0.0	0.0	-	-	-	0.0	-
93.0	70.0	3.3	-	0.0	-	0.0	0.0	0.0	-	-	-	0.0	-
93.0	90.0	0.0	-	3.2	-	-	0.0	0.0	-	-	-	0.0	-
93.0	100.0	2.9	-	0.0	-	-	-	-	-	-	-	-	-
95.0	30.0	-	0.0	3.1	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	55.0	10.5	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	80.0	0.0	-	2.9	-	0.0	0.0	0.0	-	-	0.0	-	-
100.0	70.0	-	0.0	2.9	-	0.0	0.0	0.0	-	-	0.0	-	-
100.0	80.0	-	2.8	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
103.0	35.0	-	3.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
103.0	40.0	-	2.7	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
113.0	80.0	-	-	0.0	-	-	-	0.0	2.3	-	0.0	-	-
120.0	50.0	-	3.2	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
130.0	56.0	-	2.9	-	0.0	0.0	-	-	0.0	-	0.0	-	-
137.0	40.0	-	0.0	-	11.7	-	-	-	0.0	-	0.0	-	-

Cyclothone spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
77.0	70.0	-	0.0	-	25.0	0.0	0.0	-	0.0	-	-	0.0	-
77.0	90.0	-	-	-	-	14.6	0.0	-	0.0	-	-	2.8	-
80.0	90.0	-	0.0	6.4	-	6.0	0.0	-	0.0	-	-	0.0	-
83.0	80.0	0.0	-	0.0	-	3.2	2.7	-	0.0	-	2.8	-	-
83.0	90.0	-	31.9	0.0	-	2.9	0.0	-	5.9	-	2.8	-	-
87.0	70.0	0.0	-	3.3	-	0.0	0.0	-	0.0	-	0.0	-	-
87.0	80.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	15.1	-	-
87.0	90.0	0.0	-	0.0	-	0.0	0.0	-	3.1	-	11.0	-	-
90.0	80.0	3.6	-	2.9	-	0.0	0.0	2.9	-	-	-	24.9	-
90.0	90.0	0.0	-	0.0	-	0.0	0.0	2.9	-	-	-	80.4	-
90.0	100.0	23.0	-	20.4	-	-	-	-	-	-	-	-	-
93.0	26.9	-	2.8	0.0	-	0.0	0.0	0.0	-	-	0.0	-	0.0

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
93.0	60.0	4.5	-	0.0	-	0.0	0.0	0.0	-	-	-	13.8	-
93.0	70.0	6.5	-	0.0	-	0.0	0.0	0.0	-	-	-	0.0	-
93.0	80.0	8.3	-	0.0	-	3.2	9.6	2.8	-	-	-	0.0	-
93.0	90.0	2.6	-	0.0	-	-	6.3	0.0	-	-	-	0.0	-
93.0	100.0	17.3	-	9.5	-	-	-	-	-	-	-	-	-
97.0	35.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	11.3	-	-
97.0	55.0	10.5	-	0.0	-	0.0	0.0	10.6	-	-	0.0	-	-
97.0	60.0	11.2	-	0.0	-	0.0	0.0	7.8	-	-	10.3	-	-
97.0	70.0	2.8	-	3.3	-	0.0	0.0	7.5	-	-	0.0	-	-
97.0	80.0	8.3	-	2.9	-	0.0	3.4	0.0	-	-	0.0	-	-
97.0	90.0	11.4	-	3.3	-	-	3.0	13.9	-	-	2.9	-	-
100.0	40.0	-	0.0	0.0	-	14.0	0.0	0.0	-	-	11.1	-	-
100.0	60.0	-	12.0	0.0	-	0.0	0.0	31.8	-	-	10.6	-	-
100.0	70.0	-	5.9	23.4	-	14.8	3.0	9.4	-	-	0.0	-	-
100.0	80.0	-	0.0	6.2	-	76.0	12.3	0.0	-	-	5.4	-	-
100.0	90.0	-	-	-	-	-	-	25.8	-	-	32.3	-	-
103.0	40.0	-	2.7	0.0	-	13.6	0.0	0.0	-	-	10.5	-	-
103.0	50.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	10.8	-	-
103.0	60.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	5.4	-	-
103.0	70.0	-	28.8	3.2	-	0.0	3.0	2.5	-	-	1.9	-	-
103.0	80.0	-	6.1	8.9	-	-	6.1	20.4	-	-	41.3	-	-
103.0	90.0	-	-	-	-	-	-	62.9	-	-	27.2	-	-
107.0	33.0	-	0.0	0.0	-	-	0.0	-	0.0	-	11.8	-	-
107.0	40.0	-	0.0	0.0	-	-	0.0	-	0.0	-	2.6	-	-
107.0	50.0	-	12.2	0.0	-	-	0.0	-	0.0	-	18.8	-	-
107.0	60.0	-	0.0	0.0	-	-	0.0	-	0.0	-	20.6	-	-
107.0	70.0	-	-	0.0	-	-	43.0	5.7	-	-	22.8	-	-
107.0	80.0	-	-	19.9	-	-	10.9	10.9	-	-	13.2	-	-
107.0	90.0	-	-	-	-	-	-	0.0	-	-	11.2	-	-
110.0	33.0	-	0.0	0.0	-	0.0	-	0.0	2.4	-	0.0	-	-
110.0	35.0	-	0.0	0.0	-	27.1	-	23.8	0.0	-	0.0	-	-
110.0	40.0	-	0.0	0.0	-	28.6	-	0.0	0.0	-	0.0	-	-
110.0	45.0	-	0.0	0.0	-	13.6	-	0.0	0.0	-	8.8	-	-
110.0	50.0	-	17.1	0.0	-	0.0	-	0.0	9.9	-	10.7	-	-
110.0	55.0	-	0.0	0.0	-	0.0	-	0.0	10.2	-	0.0	-	-
110.0	70.0	-	-	9.0	-	-	-	25.8	0.0	-	0.0	-	-
110.0	80.0	-	-	37.4	-	-	-	12.2	26.1	-	2.9	-	-
113.0	29.0	-	2.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	35.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	11.1	-	-
113.0	40.0	-	0.0	0.0	-	0.0	-	25.1	11.2	-	0.0	-	-
113.0	45.0	-	0.0	0.0	-	15.2	-	0.0	34.4	-	11.3	-	-
113.0	50.0	-	5.9	0.0	-	30.0	-	0.0	0.0	-	5.6	-	-
113.0	60.0	-	0.0	11.5	-	0.0	-	0.0	10.8	-	0.0	-	-
113.0	70.0	-	-	6.0	-	4.1	-	0.0	5.0	-	2.8	-	-
113.0	80.0	-	-	2.9	-	-	-	2.9	2.3	-	3.0	-	-
117.0	28.0	-	2.8	10.0	-	-	-	0.0	0.0	-	0.0	-	-

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
117.0	45.0	–	0.0	0.0	–	–	–	0.0	0.0	–	31.7	–	–
117.0	60.0	–	8.9	2.8	–	–	–	0.0	0.0	–	2.3	–	–
117.0	70.0	–	–	8.3	–	–	–	12.3	21.7	–	6.5	–	–
117.0	80.0	–	–	8.7	–	–	–	8.2	22.2	–	11.8	–	–
118.0	39.0	–	0.0	0.0	–	–	–	0.0	0.0	–	10.0	–	–
120.0	50.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	9.9	–	–
120.0	60.0	–	5.9	0.0	–	14.0	–	0.0	0.0	–	33.8	–	–
120.0	70.0	–	–	5.8	–	15.9	–	11.4	10.8	–	14.9	–	–
120.0	80.0	–	–	8.3	–	–	–	34.4	26.4	–	8.2	–	–
123.0	38.0	–	2.4	–	0.0	0.0	–	–	0.0	–	0.0	–	–
123.0	39.0	–	5.5	–	0.0	0.0	–	–	6.7	–	0.0	–	–
123.0	42.0	–	0.0	–	0.0	0.0	–	–	16.4	–	0.0	–	–
123.0	45.0	–	0.0	0.0	–	12.2	–	–	0.0	–	11.8	–	–
123.0	50.0	–	0.0	22.8	–	14.8	–	–	0.0	–	0.0	–	–
123.0	60.0	–	0.0	0.0	–	0.0	–	–	0.0	–	37.2	–	–
127.0	35.0	–	0.0	–	0.0	–	–	–	0.0	–	56.8	–	–
127.0	36.0	–	0.0	–	0.0	–	–	–	0.0	–	74.6	–	–
127.0	40.0	–	0.0	–	0.0	–	–	–	11.6	–	14.3	–	–
127.0	50.0	–	12.2	–	11.6	–	–	–	15.4	–	0.0	–	–
130.0	40.0	–	0.0	–	0.0	0.0	–	–	46.2	–	33.7	–	–
130.0	50.0	–	0.0	–	35.8	0.0	–	–	36.0	–	5.7	–	–
130.0	60.0	–	0.0	–	0.0	3.4	–	–	11.2	–	8.4	–	–
133.0	35.0	–	0.0	–	0.0	–	–	–	13.6	–	0.0	–	–
133.0	40.0	–	0.0	–	0.0	–	–	–	8.0	–	0.0	–	–
133.0	50.0	–	0.0	–	2.8	–	–	–	0.0	–	0.0	–	–
133.0	60.0	–	0.0	–	0.0	–	–	–	13.4	–	0.0	–	–
137.0	40.0	–	0.0	–	0.0	–	–	–	54.8	–	0.0	–	–
137.0	50.0	–	0.0	–	0.0	–	–	–	0.0	–	3.2	–	–
137.0	60.0	–	0.0	–	0.0	–	–	–	0.0	–	12.3	–	–

Danaphos oculatus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
77.0	55.0	–	–	–	0.0	0.0	11.8	–	0.0	–	–	0.0	–
77.0	90.0	–	–	–	–	2.9	0.0	–	0.0	–	–	0.0	–
80.0	80.0	–	0.0	12.5	–	0.0	0.0	–	0.0	–	–	0.0	–
85.0	39.0	0.0	–	0.0	–	12.4	0.0	–	0.0	–	0.0	–	–
90.0	32.0	–	0.0	0.0	–	12.4	0.0	0.0	–	–	0.0	–	0.0
90.0	90.0	0.0	–	0.0	–	0.0	3.0	0.0	–	–	–	2.7	–
91.5	30.0	–	0.0	0.0	–	14.2	0.0	0.0	–	–	0.0	–	0.0
93.0	28.0	–	0.0	0.0	–	0.0	0.0	11.8	–	–	0.0	–	0.0
93.0	40.0	0.0	–	0.0	–	12.9	0.0	11.0	–	–	0.0	–	0.0
93.0	50.0	0.0	–	0.0	–	0.0	0.0	14.2	–	–	0.0	–	0.0
93.0	60.0	3.0	–	6.3	–	0.0	0.0	0.0	–	–	–	0.0	–
93.0	70.0	0.0	–	0.0	–	0.0	5.8	0.0	–	–	–	0.0	–

TABLE 4. (cont.)

Danaphos oculatus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
93.0	80.0	0.0	-	3.1	-	0.0	3.2	2.8	-	-	-	0.0	-
93.0	90.0	0.0	-	0.0	-	-	3.2	0.0	-	-	-	0.0	-
95.0	32.0	-	0.0	0.0	-	13.9	0.0	0.0	-	-	0.0	-	-
97.0	40.0	0.0	-	0.0	-	3.4	0.0	0.0	-	-	0.0	-	-
97.0	70.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	3.2	-	-
97.0	80.0	2.8	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	90.0	0.0	-	0.0	-	-	3.0	8.3	-	-	0.0	-	-
100.0	35.0	-	-	0.0	-	0.0	3.0	0.0	-	-	0.0	-	-
100.0	40.0	-	0.0	11.5	-	0.0	11.6	0.0	-	-	0.0	-	-
100.0	50.0	-	0.0	12.5	-	0.0	0.0	0.0	-	-	0.0	-	-
103.0	45.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	10.6	-	-
103.0	70.0	-	8.6	0.0	-	0.0	0.0	2.5	-	-	0.0	-	-
103.0	80.0	-	0.0	0.0	-	-	0.0	2.9	-	-	0.0	-	-
107.0	34.0	-	0.0	0.0	-	-	12.7	-	0.0	-	0.0	-	-
107.0	35.0	-	0.0	12.1	-	-	0.0	-	0.0	-	0.0	-	-
107.0	50.0	-	0.0	0.0	-	-	11.6	-	0.0	-	0.0	-	-
107.0	60.0	-	0.0	5.9	-	-	0.0	-	0.0	-	0.0	-	-
107.0	70.0	-	-	5.2	-	-	0.0	2.8	-	-	0.0	-	-
107.0	80.0	-	-	0.0	-	-	0.0	2.7	-	-	0.0	-	-
110.0	35.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.9	-	-
110.0	40.0	-	0.0	0.0	-	0.0	-	11.1	0.0	-	0.0	-	-
110.0	60.0	-	0.0	11.8	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	80.0	-	-	0.0	-	-	-	0.0	5.8	-	0.0	-	-
113.0	50.0	-	5.9	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	70.0	-	-	0.0	-	0.0	-	3.0	0.0	-	0.0	-	-
113.0	80.0	-	-	0.0	-	-	-	0.0	4.6	-	0.0	-	-
117.0	60.0	-	0.0	0.0	-	-	-	5.9	0.0	-	0.0	-	-
117.0	70.0	-	-	0.0	-	-	-	0.0	2.7	-	0.0	-	-
117.0	80.0	-	-	0.0	-	-	-	0.0	2.8	-	0.0	-	-
118.0	39.0	-	0.0	0.0	-	-	-	0.0	10.3	-	0.0	-	-
120.0	50.0	-	0.0	5.7	-	0.0	-	0.0	0.0	-	0.0	-	-
130.0	40.0	-	0.0	-	0.0	0.0	-	-	0.0	-	11.2	-	-
137.0	40.0	-	6.0	-	0.0	-	-	-	0.0	-	0.0	-	-

Diplophos taenia

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
117.0	80.0	-	-	2.9	-	-	-	0.0	0.0	-	0.0	-	-

Ichthyococcus spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
103.0	70.0	-	2.9	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
107.0	80.0	-	-	2.8	-	-	0.0	0.0	-	-	2.6	-	-

TABLE 4. (cont.)

Ichthyococcus spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
113.0	60.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	11.2	-	-
113.0	70.0	-	-	0.0	-	0.0	-	3.0	0.0	-	0.0	-	-
113.0	80.0	-	-	5.8	-	-	-	0.0	0.0	-	0.0	-	-
120.0	70.0	-	-	0.0	-	6.3	-	0.0	0.0	-	0.0	-	-
120.0	80.0	-	-	2.8	-	-	-	0.0	0.0	-	0.0	-	-
127.0	50.0	-	0.0	-	11.6	-	-	-	0.0	-	0.0	-	-

Valenciennellus stellatus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
97.0	55.0	0.0	-	0.0	-	14.3	0.0	0.0	-	-	0.0	-	-

Vinciguerria lucetia

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
73.0	70.0	-	0.0	-	0.0	11.0	0.0	-	0.0	-	-	0.0	-
77.0	90.0	-	-	-	-	2.9	0.0	-	0.0	-	-	0.0	-
90.0	80.0	3.6	-	0.0	-	0.0	0.0	0.0	-	-	-	2.8	-
90.0	90.0	2.7	-	0.0	-	0.0	0.0	0.0	-	-	-	16.1	-
90.0	100.0	23.0	-	0.0	-	-	-	-	-	-	-	-	-
93.0	80.0	8.3	-	0.0	-	0.0	0.0	0.0	-	-	-	0.0	-
93.0	90.0	2.6	-	0.0	-	-	3.2	0.0	-	-	-	0.0	-
93.0	100.0	14.5	-	0.0	-	-	-	-	-	-	-	-	-
97.0	55.0	21.0	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	60.0	0.0	-	0.0	-	0.0	10.4	0.0	-	-	0.0	-	-
97.0	70.0	2.8	-	3.3	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	80.0	8.3	-	2.9	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	90.0	11.4	-	0.0	-	-	3.0	0.0	-	-	0.0	-	-
100.0	31.0	-	22.4	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
100.0	40.0	-	12.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
100.0	50.0	-	97.9	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
100.0	60.0	-	0.0	0.0	-	0.0	8.7	43.4	-	-	8.0	-	-
100.0	70.0	-	23.4	17.6	-	0.0	0.0	12.5	-	-	0.0	-	-
100.0	80.0	-	0.0	12.4	-	83.6	6.2	5.2	-	-	0.0	-	-
100.0	90.0	-	-	-	-	-	-	12.9	-	-	59.2	-	-
103.0	32.0	-	0.0	11.8	-	0.0	0.0	0.0	-	-	0.0	-	-
103.0	35.0	-	0.0	12.4	-	0.0	0.0	0.0	-	-	0.0	-	-
103.0	40.0	-	5.5	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
103.0	45.0	-	5.8	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
103.0	50.0	-	41.4	0.0	-	14.4	0.0	0.0	-	-	10.8	-	-
103.0	60.0	-	0.0	11.0	-	0.0	0.0	0.0	-	-	32.3	-	-
103.0	70.0	-	152.6	34.7	-	0.0	14.8	22.9	-	-	5.6	-	-
103.0	80.0	-	6.1	23.8	-	-	18.4	291.0	-	-	80.0	-	-
103.0	90.0	-	-	-	-	-	-	397.5	-	-	198.6	-	-

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
107.0	33.0	-	0.0	12.0	-	-	0.0	-	0.0	-	0.0	-	-
107.0	40.0	-	0.0	65.0	-	-	0.0	-	0.0	-	0.0	-	-
107.0	50.0	-	73.4	0.0	-	-	0.0	-	0.0	-	18.8	-	-
107.0	60.0	-	72.8	0.0	-	-	0.0	-	10.4	-	10.3	-	-
107.0	70.0	-	-	2.6	-	-	109.1	5.7	-	-	91.1	-	-
107.0	80.0	-	-	88.3	-	-	133.3	46.2	-	-	116.2	-	-
107.0	90.0	-	-	-	-	-	-	48.6	-	-	41.8	-	-
110.0	33.0	-	2.7	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	34.0	-	11.7	0.0	-	0.0	-	12.2	0.0	-	0.0	-	-
110.0	40.0	-	12.2	21.6	-	14.3	-	0.0	0.0	-	0.0	-	-
110.0	45.0	-	48.2	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	50.0	-	85.5	11.3	-	0.0	-	0.0	0.0	-	10.7	-	-
110.0	55.0	-	76.4	86.4	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	60.0	-	61.0	0.0	-	0.0	-	0.0	9.1	-	20.9	-	-
110.0	70.0	-	-	3.0	-	-	-	19.3	0.0	-	2.9	-	-
110.0	80.0	-	-	146.9	-	-	-	45.9	11.6	-	17.6	-	-
113.0	31.0	-	0.0	21.4	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	35.0	-	23.4	11.8	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	40.0	-	3.0	0.0	-	0.0	-	0.0	22.4	-	0.0	-	-
113.0	45.0	-	9.0	11.6	-	0.0	-	0.0	11.5	-	0.0	-	-
113.0	50.0	-	8.9	11.6	-	0.0	-	10.8	56.4	-	0.0	-	-
113.0	60.0	-	0.0	0.0	-	0.0	-	0.0	32.4	-	0.0	-	-
113.0	70.0	-	-	9.0	-	0.0	-	9.0	15.1	-	17.1	-	-
113.0	80.0	-	-	158.4	-	-	-	5.8	6.9	-	0.0	-	-
117.0	45.0	-	0.0	2.9	-	-	-	0.0	8.9	-	0.0	-	-
117.0	60.0	-	125.2	11.2	-	-	-	2.9	2.7	-	2.3	-	-
117.0	70.0	-	-	47.1	-	-	-	79.8	146.3	-	19.6	-	-
117.0	80.0	-	-	58.0	-	-	-	51.9	144.6	-	16.4	-	-
120.0	22.7	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.9	-	-
120.0	23.0	-	2.5	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	45.0	-	0.0	2.9	-	0.0	-	0.0	0.0	-	13.0	-	-
120.0	50.0	-	3.2	0.0	-	0.0	-	11.0	0.0	-	9.9	-	-
120.0	60.0	-	41.2	12.0	-	41.9	-	0.0	0.0	-	180.5	-	-
120.0	70.0	-	-	60.5	-	38.0	-	80.1	26.9	-	35.9	-	-
120.0	80.0	-	-	52.4	-	-	-	153.4	169.0	-	142.0	-	-
123.0	36.0	-	5.0	-	0.0	0.0	-	-	0.0	-	0.0	-	-
123.0	37.0	-	2.8	-	0.0	0.0	-	-	2.0	-	0.0	-	-
123.0	38.0	-	0.0	-	0.0	0.0	-	-	11.4	-	0.0	-	-
123.0	39.0	-	11.1	-	0.0	0.0	-	-	4.5	-	0.0	-	-
123.0	42.0	-	0.0	-	0.0	0.0	-	-	265.8	-	10.8	-	-
123.0	45.0	-	3.0	34.6	-	0.0	-	-	9.7	-	11.8	-	-
123.0	50.0	-	47.6	11.4	-	0.0	-	-	0.0	-	21.9	-	-
123.0	60.0	-	0.0	37.2	-	0.0	-	-	0.0	-	558.0	-	-
127.0	36.0	-	0.0	-	0.0	-	-	-	0.0	-	93.2	-	-
127.0	40.0	-	20.6	-	0.0	-	-	-	23.2	-	100.0	-	-
127.0	45.0	-	0.0	-	11.8	-	-	-	10.9	-	23.1	-	-

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
127.0	50.0	–	0.0	–	11.6	–	–	–	51.2	–	0.0	–	–
127.0	60.0	–	0.0	–	11.2	–	–	–	0.0	–	11.3	–	–
130.0	27.0	–	0.0	–	2.6	0.0	–	–	0.0	–	0.0	–	–
130.0	35.0	–	0.0	–	0.0	0.0	–	–	0.0	–	59.0	–	–
130.0	40.0	–	24.9	–	0.0	0.0	–	–	462.4	–	179.8	–	–
130.0	50.0	–	0.0	–	0.0	0.0	–	–	367.5	–	153.4	–	–
130.0	60.0	–	0.0	–	8.5	54.4	–	–	106.8	–	97.7	–	–
133.0	30.0	–	12.0	–	0.0	–	–	–	0.0	–	0.0	–	–
133.0	35.0	–	0.0	–	0.0	–	–	–	47.6	–	0.0	–	–
133.0	40.0	–	24.3	–	22.5	–	–	–	40.2	–	0.0	–	–
133.0	50.0	–	11.2	–	14.3	–	–	–	32.5	–	11.2	–	–
133.0	60.0	–	0.0	–	8.2	–	–	–	61.6	–	15.3	–	–
137.0	22.0	–	0.0	–	0.0	–	–	–	0.0	–	4.1	–	–
137.0	23.0	–	0.0	–	0.0	–	–	–	0.0	–	2.6	–	–
137.0	40.0	–	51.0	–	0.0	–	–	–	197.3	–	20.2	–	–
137.0	50.0	–	47.8	–	37.3	–	–	–	188.1	–	18.9	–	–
137.0	60.0	–	225.8	–	5.9	–	–	–	27.7	–	123.2	–	–

Sternoptychidae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
63.0	60.0	–	11.3	–	0.0	–	–	–	0.0	–	–	0.0	–
63.0	65.0	–	11.6	–	0.0	–	–	–	–	–	–	0.0	–
63.0	80.0	–	–	–	–	9.1	–	–	–	–	–	–	–
70.0	53.0	–	11.2	–	0.0	–	0.0	–	0.0	–	–	0.0	–
70.0	70.0	–	0.0	–	0.0	–	0.0	–	11.7	–	–	0.0	–
70.0	80.0	–	12.4	–	0.0	–	0.0	–	0.0	–	–	0.0	–
70.0	90.0	–	–	–	0.0	–	3.0	–	0.0	–	–	0.0	–
73.0	60.0	–	0.0	–	6.4	0.0	0.0	–	0.0	–	–	0.0	–
77.0	70.0	–	12.8	–	0.0	0.0	0.0	–	0.0	–	–	0.0	–
77.0	90.0	–	–	–	–	2.9	0.0	–	0.0	–	–	0.0	–
80.0	54.0	–	0.0	0.0	–	0.0	11.5	–	0.0	–	–	0.0	–
80.0	60.0	–	11.1	0.0	–	0.0	0.0	–	0.0	–	–	10.8	–
80.0	70.0	–	0.0	11.0	–	0.0	0.0	–	0.0	–	–	10.9	–
80.0	90.0	–	0.0	3.2	–	0.0	0.0	–	0.0	–	–	0.0	–
83.0	42.0	0.0	–	0.0	–	0.0	11.8	–	0.0	–	0.0	–	0.0
83.0	55.0	0.0	–	13.1	–	0.0	0.0	–	0.0	–	0.0	–	11.9
83.0	90.0	–	0.0	3.3	–	2.9	0.0	–	5.9	–	0.0	–	–
85.0	37.5	2.7	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	–
85.0	39.0	0.0	–	0.0	–	12.4	0.0	–	0.0	–	0.0	–	–
85.0	40.0	0.0	–	0.0	–	12.2	12.2	–	0.0	–	0.0	–	–
87.0	35.0	–	0.0	0.0	–	11.4	0.0	–	0.0	–	0.0	–	0.0
87.0	36.0	–	0.0	0.0	–	13.0	0.0	–	0.0	–	0.0	–	0.0
87.0	40.0	0.0	–	0.0	–	12.7	0.0	–	0.0	–	0.0	–	0.0
87.0	45.0	0.0	–	0.0	–	0.0	12.3	–	0.0	–	0.0	–	0.0

TABLE 4. (cont.)

Sternoptychidae (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
87.0	60.0	0.0	-	-	-	0.0	0.0	-	0.0	-	0.0	-	3.2
87.0	80.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	3.0	-	-
87.0	90.0	10.9	-	0.0	-	8.5	0.0	-	0.0	-	2.8	-	-
88.5	32.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	2.7	-	0.0
88.5	34.0	-	0.0	0.0	-	26.0	0.0	-	0.0	-	0.0	-	0.0
90.0	28.0	-	3.0	-	-	13.9	0.0	0.0	-	-	0.0	-	0.0
90.0	29.0	-	0.0	0.0	-	10.5	0.0	0.0	-	-	0.0	-	0.0
90.0	30.0	-	0.0	13.0	-	0.0	0.0	0.0	-	-	0.0	-	0.0
90.0	31.0	-	0.0	6.9	-	0.0	12.4	0.0	-	-	0.0	-	0.0
90.0	37.0	35.8	-	0.0	-	0.0	0.0	0.0	-	-	11.5	-	0.0
90.0	45.0	12.6	-	0.0	-	0.0	12.8	0.0	-	-	-	0.0	0.0
90.0	53.0	0.0	-	3.0	-	0.0	0.0	0.0	-	-	-	0.0	-
90.0	60.0	0.0	-	12.6	-	10.3	0.0	0.0	-	-	-	0.0	-
90.0	70.0	0.0	-	3.0	-	0.0	0.0	0.0	-	-	-	0.0	-
90.0	80.0	10.7	-	0.0	-	0.0	0.0	0.0	-	-	-	2.8	-
90.0	90.0	5.5	-	0.0	-	3.1	0.0	0.0	-	-	-	0.0	-
90.0	100.0	5.8	-	8.8	-	-	-	-	-	-	-	-	-
91.5	28.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	6.3
91.5	29.0	-	0.0	12.4	-	13.0	0.0	0.0	-	-	0.0	-	0.0
91.5	30.0	-	0.0	13.5	-	28.4	0.0	0.0	-	-	0.0	-	0.0
93.0	28.0	-	0.0	0.0	-	26.4	11.4	0.0	-	-	0.0	-	0.0
93.0	29.0	-	11.9	0.0	-	0.0	3.2	0.0	-	-	0.0	-	0.0
93.0	30.0	-	3.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	0.0
93.0	35.0	12.6	-	0.0	-	27.8	0.0	0.0	-	-	0.0	-	0.0
93.0	40.0	0.0	-	11.6	-	12.9	0.0	0.0	-	-	0.0	-	0.0
93.0	45.0	0.0	-	0.0	-	10.0	0.0	0.0	-	-	0.0	-	0.0
93.0	50.0	0.0	-	11.8	-	0.0	0.0	0.0	-	-	0.0	-	0.0
93.0	60.0	4.5	-	12.5	-	0.0	0.0	2.9	-	-	-	0.0	-
93.0	70.0	13.1	-	5.9	-	3.5	0.0	0.0	-	-	-	0.0	-
93.0	80.0	16.6	-	0.0	-	0.0	0.0	0.0	-	-	-	0.0	-
93.0	90.0	0.0	-	6.5	-	-	0.0	0.0	-	-	-	0.0	-
93.0	100.0	5.8	-	12.6	-	-	-	-	-	-	-	-	-
94.0	32.0	0.0	-	20.8	-	-	-	0.0	-	-	-	-	-
95.0	30.0	-	0.0	3.1	-	0.0	0.0	0.0	-	-	0.0	-	-
95.0	32.0	-	0.0	37.7	-	27.8	0.0	0.0	-	-	0.0	-	-
97.0	29.0	0.0	-	2.5	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	31.0	11.3	-	13.0	-	13.6	3.1	0.0	-	-	0.0	-	-
97.0	32.0	0.0	-	27.8	-	14.4	12.5	0.0	-	-	0.0	-	-
97.0	35.0	9.2	-	27.8	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	40.0	12.8	-	0.0	-	6.7	0.0	0.0	-	-	0.0	-	-
97.0	45.0	10.3	-	0.0	-	25.2	0.0	0.0	-	-	0.0	-	-
97.0	55.0	21.0	-	0.0	-	28.6	0.0	0.0	-	-	0.0	-	-
97.0	60.0	11.2	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	70.0	2.8	-	33.0	-	0.0	0.0	0.0	-	-	3.2	-	-
97.0	80.0	2.8	-	0.0	-	0.0	3.4	0.0	-	-	0.0	-	-
97.0	90.0	2.9	-	19.8	-	-	0.0	5.5	-	-	8.8	-	-

TABLE 4. (cont.)

Sternoptychidae (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
100.0	30.0	-	-	23.8	-	13.4	0.0	-	-	-	0.0	-	-
100.0	31.0	-	0.0	0.0	-	11.4	0.0	0.0	-	-	0.0	-	-
100.0	32.0	-	0.0	23.5	-	0.0	0.0	5.3	-	-	0.0	-	-
100.0	40.0	-	0.0	57.4	-	0.0	0.0	0.0	-	-	0.0	-	-
100.0	60.0	-	12.0	11.6	-	30.2	2.9	2.9	-	-	2.7	-	-
100.0	70.0	-	5.9	2.9	-	40.6	3.0	6.3	-	-	0.0	-	-
100.0	80.0	-	5.6	15.4	-	19.0	6.2	0.0	-	-	2.7	-	-
103.0	31.0	-	0.0	10.6	-	0.0	0.0	0.0	-	-	0.0	-	-
103.0	32.0	-	0.0	23.7	-	0.0	0.0	12.2	-	-	0.0	-	-
103.0	35.0	-	3.0	37.3	-	12.8	0.0	0.0	-	-	0.0	-	-
103.0	40.0	-	13.7	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
103.0	45.0	-	5.8	0.0	-	0.0	0.0	0.0	-	-	10.6	-	-
103.0	50.0	-	0.0	11.4	-	14.4	0.0	0.0	-	-	0.0	-	-
103.0	60.0	-	0.0	11.0	-	0.0	0.0	0.0	-	-	5.4	-	-
103.0	70.0	-	2.9	22.1	-	0.0	8.9	0.0	-	-	1.9	-	-
103.0	80.0	-	3.0	5.9	-	-	0.0	2.9	-	-	0.0	-	-
103.0	90.0	-	-	-	-	-	-	8.6	-	-	2.7	-	-
107.0	32.0	-	0.0	12.3	-	-	12.3	-	21.8	-	0.0	-	-
107.0	33.0	-	12.0	0.0	-	-	0.0	-	11.4	-	0.0	-	-
107.0	34.0	-	0.0	0.0	-	-	12.7	-	0.0	-	0.0	-	-
107.0	35.0	-	12.1	12.1	-	-	12.6	-	10.5	-	0.0	-	-
107.0	40.0	-	12.4	21.7	-	-	0.0	-	0.0	-	5.3	-	-
107.0	50.0	-	12.2	14.7	-	-	11.6	-	0.0	-	2.7	-	-
107.0	60.0	-	0.0	23.6	-	-	0.0	-	0.0	-	0.0	-	-
107.0	70.0	-	-	10.4	-	-	5.7	0.0	-	-	0.0	-	-
107.0	80.0	-	-	2.8	-	-	5.4	0.0	-	-	0.0	-	-
110.0	33.0	-	5.3	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	34.0	-	0.0	11.2	-	3.4	-	0.0	0.0	-	5.2	-	-
110.0	35.0	-	11.2	11.4	-	40.7	-	0.0	0.0	-	0.0	-	-
110.0	40.0	-	0.0	21.6	-	14.3	-	0.0	0.0	-	2.9	-	-
110.0	45.0	-	12.0	0.0	-	13.6	-	0.0	0.0	-	0.0	-	-
110.0	50.0	-	5.7	11.3	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	55.0	-	2.8	10.8	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	60.0	-	0.0	11.8	-	0.0	-	13.7	0.0	-	0.0	-	-
110.0	70.0	-	-	9.0	-	-	-	12.9	0.0	-	5.7	-	-
110.0	80.0	-	-	8.6	-	-	-	0.0	5.8	-	0.0	-	-
113.0	35.0	-	11.7	11.8	-	0.0	-	0.0	0.0	-	11.1	-	-
113.0	40.0	-	0.0	12.8	-	0.0	-	37.7	0.0	-	0.0	-	-
113.0	45.0	-	3.1	0.0	-	15.2	-	0.0	0.0	-	0.0	-	-
113.0	50.0	-	3.0	0.0	-	30.0	-	0.0	0.0	-	0.0	-	-
113.0	60.0	-	0.0	23.0	-	0.0	-	0.0	10.8	-	0.0	-	-
113.0	70.0	-	-	9.0	-	4.1	-	6.0	2.5	-	0.0	-	-
113.0	80.0	-	-	8.6	-	-	-	5.8	0.0	-	0.0	-	-
117.0	40.0	-	9.5	0.0	-	-	-	12.2	0.0	-	0.0	-	-
117.0	50.0	-	0.0	0.0	-	-	-	0.0	5.2	-	0.0	-	-
117.0	60.0	-	8.9	0.0	-	-	-	2.9	5.5	-	0.0	-	-

TABLE 4. (cont.)

Sternoptychidae (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
117.0	70.0	–	–	2.3	–	–	–	3.1	2.7	–	3.3	–	–
117.0	80.0	–	–	0.0	–	–	–	10.9	2.8	–	0.0	–	–
120.0	45.0	–	0.0	11.6	–	25.5	–	0.0	0.0	–	0.0	–	–
120.0	50.0	–	6.5	0.0	–	0.0	–	0.0	0.0	–	0.0	–	–
120.0	60.0	–	8.8	0.0	–	14.0	–	0.0	0.0	–	0.0	–	–
120.0	70.0	–	–	17.3	–	6.3	–	0.0	5.4	–	0.0	–	–
120.0	80.0	–	–	8.3	–	–	–	3.1	5.3	–	2.7	–	–
123.0	42.0	–	11.8	–	12.0	0.0	–	–	11.0	–	0.0	–	–
123.0	45.0	–	0.0	11.5	–	0.0	–	–	0.0	–	0.0	–	–
123.0	50.0	–	19.0	11.4	–	14.8	–	–	0.0	–	0.0	–	–
123.0	60.0	–	0.0	0.0	–	27.7	–	–	11.4	–	15.5	–	–
127.0	36.0	–	0.0	–	0.0	–	–	–	22.9	–	0.0	–	–
127.0	40.0	–	11.8	–	0.0	–	–	–	23.2	–	0.0	–	–
127.0	45.0	–	50.1	–	47.4	–	–	–	21.8	–	11.6	–	–
127.0	50.0	–	0.0	–	0.0	–	–	–	10.2	–	0.0	–	–
127.0	60.0	–	0.0	–	22.4	–	–	–	0.0	–	11.3	–	–
130.0	50.0	–	2.9	–	35.8	12.5	–	–	5.1	–	0.0	–	–
130.0	60.0	–	0.0	–	8.5	10.2	–	–	0.0	–	0.0	–	–
133.0	35.0	–	0.0	–	8.3	–	–	–	0.0	–	0.0	–	–
133.0	50.0	–	0.0	–	2.8	–	–	–	0.0	–	0.0	–	–
133.0	60.0	–	0.0	–	13.6	–	–	–	0.0	–	0.0	–	–
137.0	35.0	–	6.0	–	0.0	–	–	–	0.0	–	0.0	–	–
137.0	40.0	–	6.0	–	0.0	–	–	–	11.0	–	0.0	–	–
137.0	50.0	–	2.8	–	0.0	–	–	–	5.7	–	6.3	–	–
137.0	60.0	–	0.0	–	14.7	–	–	–	0.0	–	3.1	–	–

Chauliodus macouni

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	70.0	–	0.0	–	–	11.3	–	–	0.0	–	–	0.0	–
60.0	90.0	–	–	–	–	0.0	–	–	11.8	–	–	–	–
63.0	80.0	–	–	–	–	9.1	–	–	–	–	–	–	–
63.0	90.0	–	–	–	–	3.0	–	–	–	–	–	–	–
67.0	65.0	–	10.9	–	4.7	–	–	–	–	–	–	0.0	–
67.0	70.0	–	0.0	–	4.9	–	–	–	–	–	–	0.0	–
67.0	90.0	–	–	–	2.8	–	–	–	–	–	–	–	–
70.0	53.0	–	0.0	–	0.0	–	11.6	–	0.0	–	–	0.0	–
70.0	65.0	–	0.0	–	0.0	–	–	–	11.2	–	–	0.0	–
70.0	70.0	–	13.4	–	0.0	–	0.0	–	0.0	–	–	0.0	–
70.0	80.0	–	0.0	–	10.6	–	0.0	–	10.6	–	–	0.0	–
70.0	90.0	–	–	–	2.9	–	0.0	–	0.0	–	–	2.9	–
73.0	60.0	–	0.0	–	0.0	10.0	0.0	–	0.0	–	–	0.0	–
73.0	65.0	–	0.0	–	11.7	0.0	0.0	–	0.0	–	–	0.0	–
73.0	70.0	–	0.0	–	0.0	11.0	0.0	–	0.0	–	–	0.0	–
73.0	80.0	–	0.0	–	–	0.0	0.0	–	12.2	–	–	0.0	–

TABLE 4. (cont.)

Chauliodus macouni (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
73.0	90.0	–	–	–	–	0.0	0.0	–	3.0	–	–	0.0	–
77.0	55.0	–	–	–	0.0	0.0	11.8	–	0.0	–	–	0.0	–
77.0	80.0	–	0.0	–	–	0.0	13.6	–	0.0	–	–	0.0	–
77.0	90.0	–	–	–	–	5.8	6.0	–	0.0	–	–	0.0	–
80.0	70.0	–	13.2	11.0	–	0.0	0.0	–	0.0	–	–	21.8	–
80.0	90.0	–	12.1	3.2	–	0.0	2.9	–	0.0	–	–	2.5	–
83.0	60.0	14.6	–	12.3	–	12.1	0.0	–	0.0	–	0.0	–	0.0
83.0	80.0	0.0	–	0.0	–	3.2	0.0	–	0.0	–	5.7	–	–
83.0	90.0	–	0.0	0.0	–	2.9	3.0	–	0.0	–	0.0	–	–
87.0	60.0	0.0	–	–	–	0.0	0.0	–	0.0	–	0.0	–	3.2
87.0	70.0	0.0	–	3.3	–	0.0	9.0	–	0.0	–	0.0	–	–
87.0	80.0	0.0	–	0.0	–	5.9	2.9	–	0.0	–	3.0	–	–
87.0	90.0	0.0	–	3.1	–	5.7	0.0	–	0.0	–	0.0	–	–
90.0	31.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	0.0	–	12.9
90.0	60.0	0.0	–	3.2	–	0.0	0.0	2.8	–	–	–	0.0	–
90.0	70.0	0.0	–	0.0	–	0.0	8.6	6.2	–	–	–	0.0	–
90.0	80.0	0.0	–	0.0	–	6.4	0.0	2.9	–	–	–	0.0	–
90.0	90.0	0.0	–	2.9	–	0.0	0.0	0.0	–	–	–	0.0	–
90.0	100.0	2.9	–	2.9	–	–	–	–	–	–	–	–	–
91.5	30.0	–	0.0	0.0	–	14.2	0.0	0.0	–	–	0.0	–	0.0
93.0	28.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.9	–	11.9
93.0	35.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	11.0	–	0.0
93.0	40.0	0.0	–	0.0	–	0.0	11.0	0.0	–	–	0.0	–	0.0
93.0	60.0	0.0	–	0.0	–	3.0	0.0	2.9	–	–	–	2.8	–
93.0	70.0	0.0	–	3.0	–	3.5	0.0	0.0	–	–	–	0.0	–
93.0	80.0	0.0	–	0.0	–	3.2	3.2	0.0	–	–	–	0.0	–
93.0	100.0	0.0	–	3.2	–	–	–	–	–	–	–	–	–
97.0	35.0	0.0	–	0.0	–	3.3	0.0	0.0	–	–	0.0	–	–
97.0	50.0	11.5	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	55.0	0.0	–	0.0	–	28.6	16.2	0.0	–	–	0.0	–	–
97.0	70.0	0.0	–	0.0	–	3.3	3.0	3.8	–	–	6.3	–	–
100.0	40.0	–	0.0	11.5	–	0.0	0.0	0.0	–	–	0.0	–	–
100.0	80.0	–	2.8	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
103.0	32.0	–	0.0	0.0	–	0.0	0.0	12.2	–	–	0.0	–	–
103.0	35.0	–	0.0	0.0	–	0.0	0.0	10.2	–	–	0.0	–	–
103.0	45.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	10.6	–	–
103.0	80.0	–	3.0	0.0	–	–	0.0	0.0	–	–	0.0	–	–
107.0	34.0	–	12.6	0.0	–	–	0.0	–	0.0	–	0.0	–	–
107.0	50.0	–	0.0	2.9	–	–	0.0	–	0.0	–	0.0	–	–
107.0	70.0	–	–	2.6	–	–	0.0	0.0	–	–	0.0	–	–
110.0	40.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	2.9	–	–
117.0	70.0	–	–	2.8	–	–	–	0.0	0.0	–	0.0	–	–

TABLE 4. (cont.)

Idiacanthus antrostomus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
63.0	90.0	–	–	–	–	3.0	–	–	–	–	–	–	–
83.0	80.0	0.0	–	0.0	–	3.2	0.0	–	0.0	–	0.0	–	–
83.0	90.0	–	0.0	0.0	–	0.0	0.0	–	2.9	–	5.7	–	–
85.0	39.0	12.2	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	–
87.0	70.0	0.0	–	0.0	–	0.0	3.0	–	0.0	–	0.0	–	–
87.0	80.0	31.4	–	2.8	–	0.0	0.0	–	0.0	–	9.1	–	–
87.0	90.0	10.9	–	3.1	–	0.0	0.0	–	0.0	–	0.0	–	–
90.0	80.0	7.1	–	5.8	–	0.0	0.0	0.0	–	–	–	13.9	–
90.0	90.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–	13.4	–
90.0	100.0	5.8	–	0.0	–	–	–	–	–	–	–	–	–
93.0	60.0	3.0	–	0.0	–	0.0	0.0	0.0	–	–	–	0.0	–
93.0	70.0	9.8	–	0.0	–	0.0	0.0	0.0	–	–	–	0.0	–
93.0	80.0	2.8	–	0.0	–	0.0	0.0	0.0	–	–	–	0.0	–
93.0	90.0	2.6	–	0.0	–	–	0.0	0.0	–	–	–	0.0	–
93.0	100.0	17.3	–	0.0	–	–	–	–	–	–	–	–	–
97.0	60.0	11.2	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	70.0	0.0	–	0.0	–	0.0	3.0	0.0	–	–	0.0	–	–
97.0	80.0	0.0	–	0.0	–	0.0	0.0	2.9	–	–	0.0	–	–
97.0	90.0	2.9	–	3.3	–	–	0.0	0.0	–	–	2.9	–	–
100.0	60.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.7	–	–
100.0	70.0	–	5.9	2.9	–	0.0	0.0	0.0	–	–	0.0	–	–
100.0	80.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	16.3	–	–
103.0	50.0	–	0.0	11.4	–	0.0	0.0	0.0	–	–	0.0	–	–
103.0	60.0	–	0.0	11.0	–	0.0	0.0	0.0	–	–	0.0	–	–
103.0	70.0	–	2.9	0.0	–	0.0	0.0	0.0	–	–	3.8	–	–
103.0	80.0	–	0.0	0.0	–	–	3.1	0.0	–	–	5.2	–	–
107.0	60.0	–	0.0	0.0	–	–	0.0	–	0.0	–	5.1	–	–
107.0	70.0	–	–	0.0	–	–	0.0	0.0	–	–	5.1	–	–
107.0	80.0	–	–	0.0	–	–	0.0	0.0	–	–	7.9	–	–
110.0	45.0	–	0.0	0.0	–	13.6	–	0.0	0.0	–	8.8	–	–
110.0	60.0	–	12.2	0.0	–	0.0	–	0.0	0.0	–	0.0	–	–
110.0	80.0	–	–	2.9	–	–	–	0.0	0.0	–	0.0	–	–
113.0	50.0	–	3.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	–
117.0	45.0	–	3.0	0.0	–	–	–	0.0	0.0	–	0.0	–	–
117.0	80.0	–	–	0.0	–	–	–	0.0	0.0	–	2.3	–	–

Aristostomias scintillans

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
90.0	90.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–	2.7	–
107.0	80.0	–	–	2.8	–	–	0.0	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Photonectes spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
103.0	80.0	-	0.0	0.0	-	-	0.0	2.9	-	-	0.0	-	-

Stomias atriventer

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
77.0	90.0	-	-	-	-	2.9	0.0	-	0.0	-	-	0.0	-
87.0	45.0	0.0	-	13.5	-	0.0	0.0	-	0.0	-	0.0	-	0.0
90.0	45.0	0.0	-	13.0	-	0.0	0.0	0.0	-	-	-	0.0	0.0
90.0	100.0	0.0	-	2.9	-	-	-	-	-	-	-	-	-
91.5	30.0	-	0.0	0.0	-	28.4	0.0	0.0	-	-	0.0	-	0.0
93.0	45.0	0.0	-	11.6	-	0.0	0.0	0.0	-	-	0.0	-	0.0
93.0	60.0	0.0	-	3.1	-	0.0	0.0	0.0	-	-	-	0.0	-
93.0	100.0	2.9	-	6.3	-	-	-	-	-	-	-	-	-
95.0	30.0	-	0.0	3.1	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	50.0	0.0	-	13.4	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	55.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	2.4	-	-
97.0	60.0	0.0	-	13.8	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	90.0	0.0	-	3.3	-	-	0.0	0.0	-	-	0.0	-	-
100.0	40.0	-	0.0	11.5	-	0.0	0.0	0.0	-	-	0.0	-	-
100.0	70.0	-	0.0	5.9	-	7.4	0.0	0.0	-	-	0.0	-	-
100.0	80.0	-	0.0	0.0	-	15.2	0.0	0.0	-	-	0.0	-	-
103.0	29.0	-	0.0	0.0	-	0.0	0.0	7.7	-	-	0.0	-	-
103.0	70.0	-	5.8	3.2	-	0.0	0.0	0.0	-	-	0.0	-	-
103.0	80.0	-	3.0	8.9	-	-	0.0	0.0	-	-	0.0	-	-
107.0	34.0	-	0.0	0.0	-	-	12.7	-	0.0	-	0.0	-	-
107.0	35.0	-	0.0	12.1	-	-	0.0	-	0.0	-	0.0	-	-
107.0	50.0	-	0.0	8.8	-	-	0.0	-	0.0	-	0.0	-	-
107.0	60.0	-	18.2	3.0	-	-	0.0	-	0.0	-	0.0	-	-
107.0	80.0	-	-	14.3	-	-	0.0	0.0	-	-	0.0	-	-
110.0	34.0	-	0.0	0.0	-	3.4	-	0.0	0.0	-	0.0	-	-
110.0	45.0	-	12.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	50.0	-	22.8	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	55.0	-	11.3	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	80.0	-	-	28.8	-	-	-	0.0	0.0	-	0.0	-	-
113.0	32.0	-	0.0	0.0	-	3.1	-	0.0	0.0	-	0.0	-	-
113.0	70.0	-	-	9.0	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	80.0	-	-	11.5	-	-	-	0.0	0.0	-	0.0	-	-
117.0	60.0	-	0.0	5.6	-	-	-	0.0	0.0	-	0.0	-	-
117.0	70.0	-	-	8.3	-	-	-	0.0	0.0	-	0.0	-	-
117.0	80.0	-	-	2.9	-	-	-	0.0	0.0	-	0.0	-	-
120.0	50.0	-	3.2	2.8	-	13.0	-	0.0	10.4	-	0.0	-	-
120.0	60.0	-	0.0	0.0	-	0.0	-	0.0	11.1	-	0.0	-	-
120.0	70.0	-	-	14.4	-	0.0	-	0.0	2.7	-	0.0	-	-
120.0	80.0	-	-	13.8	-	-	-	3.1	0.0	-	0.0	-	-
123.0	37.0	-	0.0	-	2.6	0.0	-	-	0.0	-	0.0	-	-

TABLE 4. (cont.)

Stomias atriventer (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
123.0	42.0	–	0.0	–	0.0	0.0	–	–	2.7	–	0.0	–	–
123.0	45.0	–	0.0	0.0	–	24.5	–	–	0.0	–	0.0	–	–
123.0	50.0	–	0.0	0.0	–	29.5	–	–	0.0	–	0.0	–	–
123.0	60.0	–	0.0	0.0	–	0.0	–	–	0.0	–	3.1	–	–
127.0	50.0	–	0.0	–	23.2	–	–	–	0.0	–	0.0	–	–
127.0	60.0	–	11.8	–	22.4	–	–	–	0.0	–	0.0	–	–
130.0	25.6	–	0.0	–	1.3	0.0	–	–	0.0	–	0.0	–	–
130.0	30.0	–	0.0	–	0.0	11.1	–	–	0.0	–	0.0	–	–
130.0	40.0	–	0.0	–	11.8	15.1	–	–	0.0	–	0.0	–	–
130.0	50.0	–	0.0	–	0.0	0.0	–	–	5.1	–	0.0	–	–
130.0	60.0	–	0.0	–	5.6	3.4	–	–	14.1	–	0.0	–	–
133.0	40.0	–	0.0	–	0.0	–	–	–	2.7	–	0.0	–	–
133.0	60.0	–	0.0	–	2.7	–	–	–	0.0	–	0.0	–	–
137.0	50.0	–	0.0	–	2.9	–	–	–	0.0	–	0.0	–	–

Paralepididae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
77.0	70.0	–	0.0	–	12.5	0.0	0.0	–	0.0	–	–	0.0	–
80.0	90.0	–	0.0	3.2	–	0.0	0.0	–	0.0	–	–	0.0	–
87.0	70.0	0.0	–	0.0	–	3.2	0.0	–	0.0	–	0.0	–	–
90.0	45.0	0.0	–	25.9	–	0.0	0.0	0.0	–	–	–	0.0	0.0
90.0	53.0	12.2	–	9.1	–	0.0	0.0	0.0	–	–	–	0.0	–
90.0	60.0	2.9	–	0.0	–	0.0	0.0	0.0	–	–	–	0.0	–
90.0	90.0	0.0	–	2.9	–	0.0	0.0	0.0	–	–	–	2.7	–
90.0	100.0	0.0	–	8.8	–	–	–	–	–	–	–	–	–
93.0	70.0	0.0	–	8.9	–	0.0	0.0	0.0	–	–	–	0.0	–
97.0	40.0	2.6	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	70.0	0.0	–	3.3	–	0.0	0.0	0.0	–	–	0.0	–	–
100.0	40.0	–	12.0	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
100.0	60.0	–	0.0	0.0	–	15.1	0.0	0.0	–	–	0.0	–	–
100.0	80.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.7	–	–
103.0	30.0	–	0.0	0.0	–	11.7	0.0	0.0	–	–	0.0	–	–
103.0	70.0	–	0.0	0.0	–	3.4	0.0	0.0	–	–	0.0	–	–
107.0	40.0	–	0.0	0.0	–	–	0.0	–	0.0	–	7.9	–	–
113.0	70.0	–	–	6.0	–	0.0	–	0.0	0.0	–	0.0	–	–
120.0	70.0	–	–	0.0	–	3.2	–	0.0	0.0	–	0.0	–	–
123.0	50.0	–	9.5	0.0	–	0.0	–	–	0.0	–	0.0	–	–

Lestidiops ringens

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
73.0	53.0	–	12.4	–	0.0	0.0	0.0	–	0.0	–	–	0.0	–
77.0	70.0	–	12.8	–	0.0	0.0	0.0	–	0.0	–	–	0.0	–

TABLE 4. (cont.)

Lestidiops ringens (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
77.0	90.0	–	–	–	–	0.0	3.0	–	0.0	–	–	0.0	–
80.0	80.0	–	0.0	0.0	–	0.0	0.0	–	0.0	–	–	11.2	–
83.0	70.0	0.0	–	0.0	–	0.0	0.0	–	12.9	–	–	–	–
83.0	80.0	0.0	–	0.0	–	0.0	0.0	–	2.7	–	0.0	–	–
85.0	38.0	2.8	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	–
87.0	70.0	0.0	–	6.7	–	0.0	0.0	–	0.0	–	0.0	–	–
87.0	90.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	5.5	–	–
90.0	28.0	–	3.0	–	–	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	53.0	0.0	–	0.0	–	13.4	0.0	0.0	–	–	–	0.0	–
90.0	60.0	2.9	–	0.0	–	3.4	0.0	0.0	–	–	–	0.0	–
90.0	70.0	12.4	–	0.0	–	0.0	0.0	0.0	–	–	–	0.0	–
90.0	80.0	0.0	–	0.0	–	0.0	0.0	2.9	–	–	–	0.0	–
90.0	90.0	2.7	–	0.0	–	0.0	0.0	0.0	–	–	–	2.7	–
93.0	60.0	0.0	–	0.0	–	0.0	0.0	2.9	–	–	–	2.8	–
93.0	70.0	3.3	–	0.0	–	3.5	0.0	0.0	–	–	–	0.0	–
93.0	80.0	0.0	–	0.0	–	0.0	3.2	0.0	–	–	–	0.0	–
97.0	45.0	2.6	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	60.0	0.0	–	13.8	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	70.0	2.8	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	80.0	2.8	–	8.7	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	90.0	0.0	–	0.0	–	–	0.0	5.5	–	–	0.0	–	–
100.0	35.0	–	–	12.6	–	0.0	0.0	0.0	–	–	0.0	–	–
100.0	60.0	–	12.0	0.0	–	0.0	0.0	0.0	–	–	2.7	–	–
100.0	80.0	–	2.8	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
103.0	40.0	–	2.7	0.0	–	0.0	0.0	0.0	–	–	10.5	–	–
103.0	50.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	10.8	–	–
103.0	60.0	–	0.0	11.0	–	0.0	0.0	0.0	–	–	0.0	–	–
103.0	70.0	–	8.6	0.0	–	0.0	0.0	5.1	–	–	0.0	–	–
103.0	80.0	–	0.0	0.0	–	–	0.0	5.8	–	–	2.6	–	–
107.0	35.0	–	0.0	0.0	–	–	0.0	–	0.0	–	10.9	–	–
107.0	40.0	–	0.0	10.8	–	–	0.0	–	0.0	–	0.0	–	–
107.0	70.0	–	–	2.6	–	–	0.0	0.0	–	–	0.0	–	–
110.0	70.0	–	–	0.0	–	–	–	0.0	2.6	–	0.0	–	–
110.0	80.0	–	–	0.0	–	–	–	3.1	0.0	–	2.9	–	–
113.0	50.0	–	3.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	–
113.0	80.0	–	–	0.0	–	–	–	0.0	2.3	–	0.0	–	–
117.0	40.0	–	0.0	0.0	–	–	–	0.0	11.1	–	0.0	–	–
117.0	60.0	–	0.0	0.0	–	–	–	2.9	0.0	–	0.0	–	–
117.0	80.0	–	–	0.0	–	–	–	0.0	2.8	–	0.0	–	–
120.0	70.0	–	–	0.0	–	0.0	–	0.0	2.7	–	0.0	–	–
130.0	50.0	–	0.0	–	0.0	0.0	–	–	2.6	–	0.0	–	–
133.0	40.0	–	0.0	–	0.0	–	–	–	2.7	–	0.0	–	–
133.0	60.0	–	0.0	–	0.0	–	–	–	0.0	–	3.1	–	–

TABLE 4. (cont.)

Nctolepis risso

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
63.0	90.0	–	–	–	–	3.0	–	–	–	–	–	–	–
90.0	70.0	0.0	–	0.0	–	0.0	2.9	0.0	–	–	–	0.0	–
100.0	80.0	–	0.0	0.0	–	0.0	3.1	0.0	–	–	0.0	–	–
100.0	90.0	–	–	–	–	–	–	0.0	–	–	5.4	–	–
107.0	80.0	–	–	2.8	–	–	0.0	0.0	–	–	0.0	–	–

Scopelosaurus spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
73.0	90.0	–	–	–	–	0.0	0.0	–	3.0	–	–	0.0	–
80.0	55.0	–	0.0	0.0	–	0.0	0.0	–	10.6	–	–	0.0	–
80.0	90.0	–	0.0	0.0	–	0.0	5.7	–	0.0	–	–	0.0	–
100.0	70.0	–	2.9	0.0	–	0.0	3.0	0.0	–	–	0.0	–	–
100.0	80.0	–	0.0	0.0	–	0.0	9.2	0.0	–	–	0.0	–	–
103.0	70.0	–	0.0	0.0	–	3.4	0.0	0.0	–	–	0.0	–	–
107.0	60.0	–	0.0	0.0	–	–	0.0	–	10.4	–	0.0	–	–
113.0	70.0	–	–	3.0	–	0.0	–	0.0	2.5	–	0.0	–	–
117.0	80.0	–	–	0.0	–	–	–	2.7	0.0	–	0.0	–	–

Scopelarchidae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
117.0	80.0	–	–	0.0	–	–	–	2.7	0.0	–	0.0	–	–
120.0	60.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	11.3	–	–

Benthalbella dentata

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
80.0	70.0	–	0.0	0.0	–	10.7	0.0	–	0.0	–	–	0.0	–
91.5	30.0	–	0.0	0.0	–	14.2	0.0	0.0	–	–	0.0	–	0.0
97.0	90.0	0.0	–	0.0	–	–	0.0	2.8	–	–	0.0	–	–

Rosenblattichthys volucris

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
83.0	80.0	0.0	–	3.0	–	0.0	0.0	–	0.0	–	0.0	–	–
90.0	70.0	0.0	–	0.0	–	0.0	2.9	0.0	–	–	–	0.0	–
90.0	90.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–	2.7	–
93.0	100.0	5.8	–	0.0	–	–	–	–	–	–	–	–	–
97.0	70.0	2.8	–	0.0	–	0.0	0.0	3.8	–	–	0.0	–	–
97.0	80.0	5.5	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	90.0	5.7	–	0.0	–	–	0.0	0.0	–	–	2.9	–	–

TABLE 4. (cont.)

Rosenblattichthys volucris (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
100.0	60.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.7	–	–
100.0	70.0	–	0.0	0.0	–	0.0	0.0	3.1	–	–	0.0	–	–
103.0	70.0	–	0.0	0.0	–	0.0	0.0	2.5	–	–	1.9	–	–
103.0	80.0	–	0.0	0.0	–	–	0.0	0.0	–	–	5.2	–	–
107.0	50.0	–	0.0	0.0	–	–	0.0	–	0.0	–	2.7	–	–
107.0	60.0	–	0.0	0.0	–	–	0.0	–	0.0	–	2.6	–	–
107.0	70.0	–	–	0.0	–	–	2.9	0.0	–	–	0.0	–	–
107.0	90.0	–	–	–	–	–	–	2.9	–	–	0.0	–	–
110.0	40.0	–	12.2	0.0	–	0.0	–	0.0	0.0	–	0.0	–	–
110.0	60.0	–	12.2	0.0	–	0.0	–	0.0	0.0	–	0.0	–	–
110.0	80.0	–	–	0.0	–	–	–	3.1	0.0	–	0.0	–	–
113.0	60.0	–	12.3	0.0	–	0.0	–	0.0	0.0	–	0.0	–	–
113.0	70.0	–	–	0.0	–	0.0	–	0.0	2.5	–	0.0	–	–
117.0	70.0	–	–	0.0	–	–	–	3.1	2.7	–	0.0	–	–
120.0	80.0	–	–	0.0	–	–	–	9.4	0.0	–	5.5	–	–
123.0	39.0	–	0.0	–	0.0	0.0	–	–	2.2	–	0.0	–	–
130.0	50.0	–	0.0	–	0.0	0.0	–	–	5.1	–	2.8	–	–

Scopelarchoides nicholsi

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
100.0	80.0	–	0.0	0.0	–	3.8	0.0	0.0	–	–	0.0	–	–
103.0	80.0	–	0.0	0.0	–	–	0.0	2.9	–	–	0.0	–	–

Scopelarchus spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
83.0	70.0	0.0	–	0.0	–	0.0	12.5	–	0.0	–	–	–	–
100.0	60.0	–	0.0	0.0	–	0.0	2.9	0.0	–	–	0.0	–	–
100.0	70.0	–	0.0	0.0	–	0.0	3.0	0.0	–	–	0.0	–	–
100.0	90.0	–	–	–	–	–	–	0.0	–	–	5.4	–	–
103.0	60.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.7	–	–
103.0	70.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	1.9	–	–
107.0	80.0	–	–	0.0	–	–	0.0	0.0	–	–	2.6	–	–
110.0	70.0	–	–	0.0	–	–	–	3.2	0.0	–	0.0	–	–
113.0	35.0	–	0.0	0.0	–	0.0	–	0.0	11.1	–	0.0	–	–
117.0	70.0	–	–	2.8	–	–	–	3.1	0.0	–	0.0	–	–
117.0	80.0	–	–	0.0	–	–	–	0.0	2.8	–	0.0	–	–
120.0	70.0	–	–	0.0	–	0.0	–	2.9	0.0	–	0.0	–	–
120.0	80.0	–	–	0.0	–	–	–	3.1	2.6	–	0.0	–	–
123.0	60.0	–	0.0	0.0	–	0.0	–	–	0.0	–	3.1	–	–
127.0	36.0	–	0.0	–	0.0	–	–	–	0.0	–	9.3	–	–
130.0	60.0	–	0.0	–	0.0	0.0	–	–	0.0	–	2.8	–	–
137.0	60.0	–	0.0	–	0.0	–	–	–	0.0	–	3.1	–	–

TABLE 4. (cont.)

Myctophidae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
63.0	60.0	–	0.0	–	6.2	–	–	–	0.0	–	–	0.0	–
67.0	55.0	–	–	–	6.1	–	–	–	0.0	–	–	0.0	–
67.0	65.0	–	0.0	–	4.7	–	–	–	–	–	–	0.0	–
67.0	90.0	–	–	–	2.8	–	–	–	–	–	–	–	–
73.0	65.0	–	0.0	–	0.0	0.0	9.4	–	0.0	–	–	0.0	–
73.0	80.0	–	0.0	–	–	0.0	12.5	–	0.0	–	–	0.0	–
77.0	90.0	–	–	–	–	5.8	9.1	–	0.0	–	–	0.0	–
80.0	60.0	–	0.0	0.0	–	0.0	0.0	–	12.7	–	–	0.0	–
80.0	90.0	–	0.0	0.0	–	0.0	14.3	–	0.0	–	–	0.0	–
83.0	41.0	0.0	–	0.0	–	12.1	0.0	–	0.0	–	0.0	–	0.0
83.0	90.0	–	0.0	0.0	–	5.8	0.0	–	0.0	–	0.0	–	–
85.0	37.5	0.0	–	0.0	–	0.0	0.0	–	8.6	–	0.0	–	–
87.0	34.0	–	0.0	11.2	–	0.0	0.0	–	0.0	–	0.0	–	0.0
90.0	31.0	–	0.0	3.5	–	0.0	0.0	0.0	–	–	0.0	–	12.9
90.0	32.0	–	0.0	0.0	–	0.0	11.3	0.0	–	–	0.0	–	0.0
90.0	60.0	2.9	–	0.0	–	0.0	3.5	0.0	–	–	–	0.0	–
90.0	70.0	0.0	–	0.0	–	0.0	0.0	3.1	–	–	–	0.0	–
91.5	30.0	–	0.0	13.5	–	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	26.9	–	0.0	0.0	–	0.0	0.0	2.3	–	–	0.0	–	0.0
93.0	30.0	–	0.0	0.0	–	0.0	0.0	11.0	–	–	0.0	–	0.0
93.0	35.0	0.0	–	0.0	–	0.0	0.0	11.6	–	–	0.0	–	0.0
93.0	40.0	0.0	–	0.0	–	0.0	0.0	22.1	–	–	0.0	–	0.0
93.0	45.0	0.0	–	0.0	–	0.0	0.0	36.2	–	–	0.0	–	0.0
93.0	60.0	0.0	–	6.3	–	0.0	0.0	0.0	–	–	–	0.0	–
93.0	70.0	3.3	–	3.0	–	0.0	0.0	0.0	–	–	–	0.0	–
93.0	90.0	0.0	–	0.0	–	–	9.5	0.0	–	–	–	0.0	–
93.0	100.0	5.8	–	9.5	–	–	–	–	–	–	–	–	–
97.0	32.0	11.6	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	40.0	0.0	–	0.0	–	0.0	3.1	0.0	–	–	0.0	–	–
97.0	60.0	0.0	–	0.0	–	0.0	10.4	0.0	–	–	0.0	–	–
97.0	70.0	0.0	–	0.0	–	0.0	0.0	3.8	–	–	0.0	–	–
97.0	90.0	0.0	–	0.0	–	–	0.0	2.8	–	–	0.0	–	–
100.0	50.0	–	12.2	0.0	–	0.0	0.0	0.0	–	–	11.0	–	–
100.0	60.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.7	–	–
100.0	70.0	–	0.0	0.0	–	3.7	0.0	0.0	–	–	0.0	–	–
100.0	90.0	–	–	–	–	–	–	2.6	–	–	0.0	–	–
103.0	35.0	–	0.0	0.0	–	0.0	0.0	10.2	–	–	11.5	–	–
103.0	40.0	–	0.0	0.0	–	13.6	0.0	0.0	–	–	0.0	–	–
103.0	80.0	–	0.0	3.0	–	–	0.0	11.6	–	–	0.0	–	–
107.0	30.6	–	0.0	0.0	–	–	0.0	–	1.6	–	0.0	–	–
107.0	40.0	–	0.0	21.7	–	–	0.0	–	0.0	–	0.0	–	–
107.0	50.0	–	0.0	2.9	–	–	0.0	–	0.0	–	0.0	–	–
107.0	60.0	–	0.0	0.0	–	–	0.0	–	0.0	–	2.6	–	–
107.0	80.0	–	–	0.0	–	–	2.7	5.4	–	–	0.0	–	–
107.0	90.0	–	–	–	–	–	–	2.9	–	–	8.4	–	–
110.0	34.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	2.6	–	–

TABLE 4. (cont.)

Myctophidae (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
110.0	35.0	-	0.0	11.4	-	0.0	-	0.0	0.0	-	2.9	-	-
110.0	50.0	-	5.7	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	55.0	-	2.8	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	70.0	-	-	3.0	-	-	-	0.0	0.0	-	0.0	-	-
110.0	80.0	-	-	5.8	-	-	-	0.0	0.0	-	0.0	-	-
113.0	40.0	-	0.0	0.0	-	0.0	-	12.6	0.0	-	0.0	-	-
113.0	50.0	-	0.0	0.0	-	15.0	-	0.0	11.3	-	0.0	-	-
113.0	60.0	-	12.3	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	70.0	-	-	3.0	-	0.0	-	0.0	0.0	-	2.8	-	-
113.0	80.0	-	-	0.0	-	-	-	0.0	2.3	-	0.0	-	-
117.0	70.0	-	-	0.0	-	-	-	0.0	0.0	-	6.5	-	-
117.0	80.0	-	-	2.9	-	-	-	0.0	8.3	-	0.0	-	-
119.0	33.0	-	0.0	0.0	-	0.0	-	0.0	23.3	-	0.0	-	-
120.0	45.0	-	0.0	23.2	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	70.0	-	-	0.0	-	0.0	-	2.9	2.7	-	0.0	-	-
120.0	80.0	-	-	0.0	-	-	-	3.1	7.9	-	0.0	-	-
123.0	42.0	-	0.0	-	24.1	0.0	-	-	5.5	-	0.0	-	-
127.0	45.0	-	12.5	-	0.0	-	-	-	0.0	-	0.0	-	-
130.0	35.0	-	0.0	-	0.0	0.0	-	-	0.0	-	11.8	-	-
130.0	50.0	-	0.0	-	0.0	0.0	-	-	25.7	-	2.8	-	-
133.0	35.0	-	0.0	-	0.0	-	-	-	3.4	-	0.0	-	-
133.0	60.0	-	0.0	-	0.0	-	-	-	2.7	-	0.0	-	-
137.0	40.0	-	3.0	-	0.0	-	-	-	11.0	-	0.0	-	-
137.0	50.0	-	5.6	-	5.7	-	-	-	0.0	-	0.0	-	-
137.0	60.0	-	6.0	-	2.9	-	-	-	0.0	-	0.0	-	-

Ceratoscopelus townsendi

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
77.0	90.0	-	-	-	-	0.0	0.0	-	0.0	-	-	2.8	-
80.0	90.0	-	0.0	0.0	-	6.0	2.9	-	0.0	-	-	0.0	-
83.0	80.0	0.0	-	0.0	-	3.2	0.0	-	0.0	-	0.0	-	-
83.0	90.0	-	0.0	0.0	-	5.8	0.0	-	0.0	-	0.0	-	-
87.0	80.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	12.1	-	-
87.0	90.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	2.8	-	-
90.0	90.0	0.0	-	0.0	-	0.0	0.0	2.9	-	-	-	18.8	-
90.0	100.0	0.0	-	2.9	-	-	-	-	-	-	-	-	-
93.0	50.0	0.0	-	0.0	-	0.0	0.0	14.2	-	-	0.0	-	0.0
93.0	70.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-	2.8	-
93.0	90.0	0.0	-	0.0	-	-	6.3	0.0	-	-	-	0.0	-
97.0	55.0	10.5	-	0.0	-	0.0	0.0	10.6	-	-	0.0	-	-
97.0	60.0	0.0	-	0.0	-	0.0	0.0	7.8	-	-	0.0	-	-
97.0	70.0	0.0	-	3.3	-	0.0	0.0	0.0	-	-	0.0	-	-
100.0	32.0	-	2.9	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
100.0	50.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	11.0	-	-

TABLE 4. (cont.)

Ceratoscopelus townsendi (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
100.0	60.0	-	0.0	0.0	-	0.0	0.0	20.2	-	-	15.9	-	-
100.0	70.0	-	0.0	0.0	-	0.0	0.0	3.1	-	-	0.0	-	-
100.0	80.0	-	0.0	0.0	-	11.4	0.0	2.6	-	-	8.1	-	-
100.0	90.0	-	-	-	-	-	-	2.6	-	-	40.4	-	-
103.0	60.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	2.7	-	-
103.0	70.0	-	8.6	0.0	-	0.0	0.0	5.1	-	-	1.9	-	-
103.0	80.0	-	0.0	0.0	-	-	0.0	29.1	-	-	25.8	-	-
103.0	90.0	-	-	-	-	-	-	17.2	-	-	2.7	-	-
107.0	34.0	-	0.0	0.0	-	-	0.0	-	0.0	-	2.8	-	-
107.0	50.0	-	0.0	0.0	-	-	0.0	-	0.0	-	10.7	-	-
107.0	60.0	-	0.0	0.0	-	-	0.0	-	0.0	-	10.3	-	-
107.0	70.0	-	-	0.0	-	-	8.6	0.0	-	-	17.7	-	-
107.0	80.0	-	-	2.8	-	-	2.7	5.4	-	-	2.6	-	-
107.0	90.0	-	-	-	-	-	-	0.0	-	-	5.6	-	-
110.0	32.4	-	2.4	0.0	-	0.0	-	0.0	-	-	0.0	-	-
110.0	45.0	-	12.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	50.0	-	0.0	34.0	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	80.0	-	-	0.0	-	-	-	6.1	0.0	-	2.9	-	-
113.0	80.0	-	-	5.8	-	-	-	0.0	0.0	-	0.0	-	-
117.0	50.0	-	0.0	0.0	-	-	-	0.0	2.6	-	0.0	-	-
117.0	70.0	-	-	2.8	-	-	-	0.0	0.0	-	0.0	-	-
117.0	80.0	-	-	2.9	-	-	-	2.7	0.0	-	2.3	-	-
120.0	60.0	-	0.0	0.0	-	0.0	-	24.9	0.0	-	0.0	-	-
120.0	70.0	-	-	2.9	-	0.0	-	5.7	0.0	-	3.0	-	-
120.0	80.0	-	-	0.0	-	-	-	3.1	2.6	-	16.4	-	-
123.0	39.0	-	0.0	-	0.0	0.0	-	-	2.2	-	0.0	-	-
123.0	42.0	-	0.0	-	0.0	0.0	-	-	0.0	-	21.7	-	-
123.0	60.0	-	0.0	0.0	-	0.0	-	-	0.0	-	6.2	-	-
130.0	40.0	-	0.0	-	0.0	0.0	-	-	0.0	-	11.2	-	-
130.0	50.0	-	0.0	-	0.0	0.0	-	-	5.1	-	2.8	-	-
133.0	35.0	-	0.0	-	0.0	-	-	-	20.4	-	0.0	-	-
137.0	60.0	-	0.0	-	5.9	-	-	-	0.0	-	0.0	-	-

Diaphus spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	60.0	-	0.0	-	0.0	-	-	-	34.2	-	-	0.0	-
60.0	65.0	-	0.0	-	-	0.0	-	-	58.6	-	-	0.0	-
60.0	70.0	-	0.0	-	-	0.0	-	-	23.4	-	-	0.0	-
60.0	80.0	-	-	-	-	0.0	-	-	12.6	-	-	-	-
67.0	55.0	-	-	-	0.0	-	-	-	10.2	-	-	0.0	-
70.0	60.0	-	0.0	-	0.0	-	0.0	-	36.7	-	-	0.0	-
70.0	70.0	-	0.0	-	0.0	-	0.0	-	23.4	-	-	0.0	-
70.0	80.0	-	0.0	-	0.0	-	0.0	-	10.6	-	-	0.0	-
70.0	90.0	-	-	-	0.0	-	50.5	-	0.0	-	-	0.0	-

TABLE 4. (cont.)

Diaphus spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
73.0	53.0	-	0.0	-	0.0	0.0	3.2	-	0.0	-	-	0.0	-
73.0	70.0	-	0.0	-	0.0	0.0	25.8	-	0.0	-	-	0.0	-
73.0	80.0	-	0.0	-	-	0.0	37.4	-	12.2	-	-	0.0	-
73.0	90.0	-	-	-	-	0.0	15.6	-	3.0	-	-	0.0	-
77.0	51.0	-	0.0	-	0.0	0.0	12.2	-	-	-	-	0.0	-
77.0	70.0	-	0.0	-	0.0	0.0	12.6	-	0.0	-	-	0.0	-
77.0	90.0	-	-	-	-	0.0	69.5	-	7.5	-	-	0.0	-
80.0	70.0	-	0.0	0.0	-	0.0	13.0	-	23.9	-	-	0.0	-
80.0	90.0	-	0.0	0.0	-	0.0	62.9	-	19.9	-	-	0.0	-
83.0	60.0	0.0	-	0.0	-	0.0	0.0	-	22.3	-	0.0	-	0.0
83.0	80.0	0.0	-	0.0	-	0.0	10.9	-	2.7	-	0.0	-	-
83.0	90.0	-	0.0	0.0	-	0.0	5.9	-	5.9	-	0.0	-	-
87.0	70.0	0.0	-	0.0	-	0.0	33.0	-	2.9	-	0.0	-	-
87.0	80.0	0.0	-	0.0	-	0.0	2.9	-	6.3	-	0.0	-	-
87.0	90.0	0.0	-	0.0	-	0.0	6.0	-	27.9	-	0.0	-	-
88.5	34.0	-	0.0	0.0	-	0.0	0.0	-	11.2	-	0.0	-	0.0
90.0	60.0	0.0	-	0.0	-	0.0	7.0	5.7	-	-	-	0.0	-
90.0	70.0	0.0	-	0.0	-	0.0	37.2	18.6	-	-	-	0.0	-
90.0	80.0	0.0	-	0.0	-	0.0	5.9	0.0	-	-	-	0.0	-
90.0	90.0	0.0	-	0.0	-	0.0	0.0	5.8	-	-	-	0.0	-
93.0	30.0	-	0.0	0.0	-	0.0	0.0	21.9	-	-	2.8	-	0.0
93.0	60.0	0.0	-	0.0	-	0.0	0.0	8.8	-	-	-	2.8	-
93.0	70.0	0.0	-	0.0	-	0.0	17.3	9.1	-	-	-	0.0	-
93.0	80.0	0.0	-	0.0	-	0.0	32.1	5.7	-	-	-	0.0	-
93.0	90.0	0.0	-	0.0	-	-	0.0	15.5	-	-	-	0.0	-
97.0	31.0	0.0	-	0.0	-	0.0	0.0	11.4	-	-	0.0	-	-
97.0	32.0	0.0	-	0.0	-	0.0	0.0	11.0	-	-	0.0	-	-
97.0	50.0	0.0	-	0.0	-	0.0	0.0	8.8	-	-	0.0	-	-
97.0	55.0	0.0	-	0.0	-	0.0	32.4	10.[illegible]	-	-	0.0	-	-
97.0	60.0	0.0	-	0.0	-	0.0	10.4	0.0	-	-	0.0	-	-
97.0	70.0	0.0	-	0.0	-	0.0	3.0	22.6	-	-	0.0	-	-
97.0	80.0	0.0	-	0.0	-	0.0	6.7	0.0	-	-	0.0	-	-
97.0	90.0	0.0	-	0.0	-	-	0.0	5.5	-	-	0.0	-	-
100.0	80.0	-	0.0	0.0	-	0.0	0.0	7.8	-	-	0.0	-	-
100.0	90.0	-	-	-	-	-	-	7.7	-	-	0.0	-	-
103.0	70.0	-	0.0	0.0	-	0.0	0.0	2.5	-	-	0.0	-	-
107.0	33.0	-	0.0	0.0	-	-	0.0	-	11.4	-	0.0	-	-
107.0	35.0	-	0.0	0.0	-	-	0.0	-	0.0	-	10.9	-	-
107.0	50.0	-	0.0	0.0	-	-	0.0	-	30.1	-	0.0	-	-
110.0	50.0	-	0.0	0.0	-	0.0	-	0.0	9.9	-	10.7	-	-
110.0	70.0	-	-	0.0	-	-	-	0.0	2.6	-	0.0	-	-
113.0	80.0	-	-	0.0	-	-	-	0.0	2.3	-	0.0	-	-

TABLE 4. (cont.)

Lampadena urophaos

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
107.0	60.0	-	18.2	0.0	-	-	0.0	-	0.0	-	0.0	-	-
110.0	50.0	-	11.4	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	70.0	-	-	0.0	-	0.0	-	2.9	0.0	-	0.0	-	-
123.0	39.0	-	0.0	-	0.0	0.0	-	-	2.2	-	0.0	-	-
130.0	50.0	-	0.0	-	0.0	0.0	-	-	0.0	-	2.8	-	-
130.0	60.0	-	0.0	-	0.0	0.0	-	-	0.0	-	11.2	-	-
133.0	40.0	-	0.0	-	0.0	-	-	-	2.7	-	0.0	-	-

Lampanyctus spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	70.0	-	0.0	-	-	0.0	-	-	35.2	-	-	0.0	-
60.0	90.0	-	-	-	-	12.4	-	-	0.0	-	-	-	-
67.0	55.0	-	-	-	0.0	-	-	-	10.2	-	-	0.0	-
67.0	65.0	-	0.0	-	4.7	-	-	-	-	-	-	0.0	-
67.0	70.0	-	0.0	-	4.9	-	-	-	-	-	-	0.0	-
73.0	70.0	-	0.0	-	0.0	0.0	12.9	-	0.0	-	-	0.0	-
73.0	90.0	-	-	-	-	0.0	3.1	-	0.0	-	-	0.0	-
77.0	51.0	-	0.0	-	0.0	0.0	12.2	-	-	-	-	0.0	-
77.0	60.0	-	0.0	-	0.0	0.0	12.2	-	0.0	-	-	0.0	-
77.0	90.0	-	-	-	-	46.7	0.0	-	0.0	-	-	0.0	-
80.0	80.0	-	0.0	0.0	-	0.0	0.0	-	9.4	-	-	0.0	-
80.0	90.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	-	2.5	-
83.0	51.0	0.0	-	0.0	-	0.0	0.0	-	11.8	-	0.0	-	0.0
83.0	60.0	0.0	-	0.0	-	0.0	0.0	-	11.2	-	0.0	-	0.0
83.0	80.0	0.0	-	0.0	-	0.0	0.0	-	8.2	-	0.0	-	-
83.0	90.0	-	0.0	0.0	-	2.9	3.0	-	0.0	-	0.0	-	-
87.0	45.0	0.0	-	0.0	-	0.0	12.3	-	0.0	-	0.0	-	0.0
87.0	70.0	0.0	-	0.0	-	0.0	6.0	-	0.0	-	0.0	-	-
87.0	80.0	10.5	-	0.0	-	0.0	0.0	-	3.2	-	3.0	-	-
87.0	90.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	2.8	-	-
90.0	28.0	-	0.0	-	-	0.0	0.0	0.0	-	-	0.0	-	3.2
90.0	29.0	-	0.0	0.0	-	10.5	0.0	0.0	-	-	0.0	-	0.0
90.0	31.0	-	0.0	0.0	-	0.0	12.4	0.0	-	-	0.0	-	0.0
90.0	32.0	-	0.0	0.0	-	0.0	11.3	0.0	-	-	0.0	-	0.0
90.0	37.0	11.9	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-	0.0
90.0	60.0	0.0	-	0.0	-	6.8	3.5	5.7	-	-	-	0.0	-
90.0	70.0	0.0	-	0.0	-	7.4	5.7	3.1	-	-	-	2.8	-
90.0	80.0	3.6	-	0.0	-	0.0	2.9	2.9	-	-	-	0.0	-
90.0	90.0	0.0	-	0.0	-	0.0	0.0	2.9	-	-	-	0.0	-
90.0	100.0	11.5	-	0.0	-	-	-	-	-	-	-	-	-
91.5	28.0	-	0.0	11.9	-	0.0	0.0	0.0	-	-	0.0	-	0.0
91.5	29.0	-	0.0	0.0	-	0.0	0.0	3.1	-	-	0.0	-	0.0
91.5	30.0	-	12.6	0.0	-	0.0	0.0	0.0	-	-	0.0	-	0.0
93.0	28.0	-	0.0	0.0	-	26.4	0.0	0.0	-	-	0.0	-	0.0

TABLE 4. (cont.)

Lampanyctus spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
93.0	29.0	–	0.0	0.0	–	0.0	3.2	0.0	–	–	0.0	–	0.0
93.0	30.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	5.6	–	0.0
93.0	35.0	0.0	–	0.0	–	0.0	12.6	11.6	–	–	0.0	–	0.0
93.0	40.0	11.6	–	0.0	–	0.0	21.9	0.0	–	–	0.0	–	0.0
93.0	45.0	2.8	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	60.0	0.0	–	0.0	–	0.0	3.0	0.0	–	–	–	2.8	–
93.0	70.0	9.8	–	0.0	–	0.0	11.6	3.0	–	–	–	0.0	–
93.0	80.0	2.8	–	0.0	–	0.0	9.6	8.6	–	–	–	2.6	–
94.0	32.0	0.0	–	10.4	–	–	–	0.0	–	–	–	–	–
97.0	29.0	0.0	–	2.5	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	31.0	0.0	–	13.0	–	0.0	0.0	0.0	–	–	11.0	–	–
97.0	32.0	0.0	–	0.0	–	0.0	0.0	11.0	–	–	11.4	–	–
97.0	35.0	0.0	–	0.0	–	3.3	0.0	0.0	–	–	0.0	–	–
97.0	40.0	0.0	–	0.0	–	0.0	3.1	0.0	–	–	0.0	–	–
97.0	45.0	0.0	–	37.8	–	0.0	0.0	0.0	–	–	2.6	–	–
97.0	50.0	0.0	–	13.4	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	60.0	44.8	–	0.0	–	13.0	0.0	0.0	–	–	0.0	–	–
97.0	70.0	5.7	–	0.0	–	0.0	0.0	3.8	–	–	0.0	–	–
97.0	80.0	0.0	–	0.0	–	0.0	3.4	2.9	–	–	0.0	–	–
97.0	90.0	8.6	–	0.0	–	–	6.1	11.1	–	–	5.9	–	–
100.0	29.0	–	45.1	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
100.0	30.0	–	–	0.0	–	0.0	0.0	–	–	–	3.0	–	–
100.0	32.0	–	2.9	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
100.0	35.0	–	–	0.0	–	0.0	0.0	10.5	–	–	10.6	–	–
100.0	40.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	11.1	–	–
100.0	50.0	–	12.2	0.0	–	0.0	0.0	11.8	–	–	11.0	–	–
100.0	60.0	–	0.0	0.0	–	0.0	0.0	2.9	–	–	5.3	–	–
100.0	70.0	–	0.0	0.0	–	0.0	3.0	0.0	–	–	3.1	–	–
100.0	80.0	–	0.0	0.0	–	0.0	21.6	0.0	–	–	5.4	–	–
100.0	90.0	–	–	–	–	–	–	5.2	–	–	2.7	–	–
103.0	40.0	–	5.5	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
103.0	45.0	–	0.0	0.0	–	12.9	0.0	0.0	–	–	0.0	–	–
103.0	70.0	–	8.6	3.2	–	0.0	0.0	0.0	–	–	1.9	–	–
103.0	80.0	–	0.0	0.0	–	–	6.1	0.0	–	–	2.6	–	–
103.0	90.0	–	–	–	–	–	–	5.7	–	–	2.7	–	–
107.0	30.6	–	2.3	0.0	–	–	0.0	–	0.0	–	0.0	–	–
107.0	32.0	–	0.0	12.3	–	–	0.0	–	0.0	–	0.0	–	–
107.0	33.0	–	36.1	12.0	–	–	0.0	–	0.0	–	0.0	–	–
107.0	34.0	–	12.6	12.0	–	–	0.0	–	0.0	–	2.8	–	–
107.0	35.0	–	0.0	0.0	–	–	0.0	–	0.0	–	10.9	–	–
107.0	40.0	–	12.4	0.0	–	–	0.0	–	0.0	–	10.5	–	–
107.0	50.0	–	12.2	0.0	–	–	11.6	–	0.0	–	0.0	–	–
107.0	60.0	–	18.2	0.0	–	–	11.8	–	0.0	–	0.0	–	–
107.0	70.0	–	–	0.0	–	–	11.5	5.7	–	–	0.0	–	–
110.0	32.0	–	–	–	–	–	–	–	1.8	–	–	–	–
110.0	34.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	2.6	–	–

TABLE 4. (cont.)

Lampanyctus spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
110.0	35.0	-	44.6	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	45.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	8.8	-	-
110.0	50.0	-	0.0	11.3	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	55.0	-	2.8	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	60.0	-	24.4	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	70.0	-	-	3.0	-	-	-	9.7	0.0	-	0.0	-	-
110.0	80.0	-	-	0.0	-	-	-	0.0	5.8	-	5.9	-	-
113.0	31.0	-	0.0	21.4	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	35.0	-	0.0	11.8	-	0.0	-	23.3	0.0	-	0.0	-	-
113.0	40.0	-	0.0	0.0	-	0.0	-	12.6	0.0	-	0.0	-	-
113.0	45.0	-	0.0	0.0	-	0.0	-	12.8	0.0	-	0.0	-	-
113.0	50.0	-	5.9	0.0	-	0.0	-	0.0	0.0	-	2.8	-	-
113.0	60.0	-	0.0	0.0	-	0.0	-	12.2	0.0	-	0.0	-	-
113.0	70.0	-	-	3.0	-	0.0	-	0.0	0.0	-	2.8	-	-
113.0	80.0	-	-	0.0	-	-	-	0.0	13.7	-	0.0	-	-
117.0	30.0	-	0.0	0.0	-	-	-	0.0	0.0	-	2.4	-	-
117.0	40.0	-	6.4	0.0	-	-	-	0.0	0.0	-	0.0	-	-
117.0	80.0	-	-	8.7	-	-	-	0.0	0.0	-	0.0	-	-
118.0	39.0	-	0.0	0.0	-	-	-	0.0	10.3	-	0.0	-	-
120.0	23.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.5	-	-
120.0	45.0	-	0.0	5.8	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	50.0	-	3.2	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	60.0	-	0.0	12.0	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	70.0	-	-	0.0	-	6.3	-	8.6	0.0	-	0.0	-	-
120.0	80.0	-	-	5.5	-	-	-	3.1	0.0	-	8.2	-	-
123.0	42.0	-	0.0	-	0.0	0.0	-	-	27.4	-	0.0	-	-
123.0	45.0	-	0.0	11.5	-	0.0	-	-	0.0	-	0.0	-	-
123.0	60.0	-	0.0	0.0	-	0.0	-	-	0.0	-	3.1	-	-
127.0	45.0	-	0.0	-	0.0	-	-	-	0.0	-	11.6	-	-
127.0	50.0	-	0.0	-	11.6	-	-	-	2.6	-	0.0	-	-
130.0	50.0	-	0.0	-	35.8	0.0	-	-	15.4	-	0.0	-	-
130.0	60.0	-	0.0	-	2.8	13.6	-	-	2.8	-	2.8	-	-
133.0	35.0	-	0.0	-	0.0	-	-	-	23.8	-	0.0	-	-
133.0	40.0	-	36.5	-	0.0	-	-	-	0.0	-	0.0	-	-
133.0	50.0	-	8.4	-	5.7	-	-	-	21.7	-	0.0	-	-
133.0	60.0	-	0.0	-	8.2	-	-	-	5.4	-	0.0	-	-
137.0	35.0	-	3.0	-	0.0	-	-	-	0.0	-	0.0	-	-
137.0	40.0	-	3.0	-	2.9	-	-	-	11.0	-	0.0	-	-
137.0	50.0	-	5.6	-	2.9	-	-	-	25.6	-	0.0	-	-
137.0	60.0	-	42.1	-	14.7	-	-	-	0.0	-	0.0	-	-

Lampanyctus regalis

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
67.0	50.0	-	0.0	-	0.0	-	-	-	0.0	-	-	10.5	-

TABLE 4. (cont.)

Lampanyctus regalis (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
67.0	55.0	–	–	–	0.0	–	–	–	10.2	–	–	0.0	–
77.0	90.0	–	–	–	–	11.7	0.0	–	5.0	–	–	0.0	–
83.0	60.0	0.0	–	0.0	–	0.0	0.0	–	22.3	–	0.0	–	0.0
83.0	70.0	0.0	–	0.0	–	0.0	0.0	–	12.9	–	–	–	–
83.0	80.0	0.0	–	0.0	–	0.0	2.7	–	0.0	–	0.0	–	–
83.0	90.0	–	0.0	0.0	–	8.7	0.0	–	0.0	–	0.0	–	–
87.0	70.0	0.0	–	0.0	–	0.0	0.0	–	26.2	–	0.0	–	–
87.0	80.0	0.0	–	0.0	–	0.0	0.0	–	9.5	–	0.0	–	–
87.0	90.0	0.0	–	0.0	–	0.0	0.0	–	6.2	–	0.0	–	–
93.0	40.0	11.6	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	70.0	0.0	–	0.0	–	0.0	0.0	3.0	–	–	–	0.0	–
93.0	80.0	0.0	–	0.0	–	0.0	9.6	5.7	–	–	–	0.0	–
93.0	90.0	0.0	–	0.0	–	–	0.0	9.3	–	–	–	0.0	–
97.0	70.0	0.0	–	0.0	–	0.0	0.0	3.8	–	–	0.0	–	–
97.0	80.0	0.0	–	0.0	–	0.0	6.7	0.0	–	–	0.0	–	–
97.0	90.0	0.0	–	0.0	–	–	0.0	11.1	–	–	0.0	–	–
100.0	35.0	–	–	0.0	–	0.0	0.0	10.5	–	–	0.0	–	–
100.0	60.0	–	0.0	0.0	–	0.0	0.0	2.9	–	–	0.0	–	–
100.0	90.0	–	–	–	–	–	–	10.3	–	–	0.0	–	–
103.0	70.0	–	0.0	0.0	–	0.0	0.0	2.5	–	–	0.0	–	–
103.0	80.0	–	0.0	0.0	–	–	0.0	0.0	–	–	5.2	–	–
107.0	50.0	–	0.0	0.0	–	–	11.6	–	0.0	–	0.0	–	–
110.0	33.0	–	0.0	0.0	–	0.0	–	0.0	4.8	–	0.0	–	–
110.0	40.0	–	0.0	0.0	–	0.0	–	0.0	9.4	–	0.0	–	–
110.0	60.0	–	0.0	0.0	–	0.0	–	13.7	0.0	–	0.0	–	–
110.0	80.0	–	–	0.0	–	–	–	0.0	5.8	–	0.0	–	–
113.0	40.0	–	0.0	0.0	–	0.0	–	12.6	0.0	–	0.0	–	–

Lampanyctus ritteri

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	65.0	–	0.0	–	–	0.0	–	–	11.7	–	–	0.0	–
67.0	55.0	–	–	–	0.0	–	–	–	10.2	–	–	0.0	–
67.0	60.0	–	0.0	–	0.0	–	–	–	13.6	–	–	0.0	–
67.0	90.0	–	–	–	2.8	–	–	–	–	–	–	–	–
70.0	51.0	–	0.0	–	0.0	–	0.0	–	36.6	–	–	0.0	–
70.0	65.0	–	0.0	–	0.0	–	–	–	11.2	–	–	0.0	–
70.0	80.0	–	0.0	–	0.0	–	0.0	–	10.6	–	–	0.0	–
70.0	90.0	–	–	–	5.8	–	3.0	–	8.2	–	–	0.0	–
73.0	70.0	–	0.0	–	0.0	0.0	0.0	–	11.3	–	–	0.0	–
73.0	80.0	–	0.0	–	–	0.0	25.0	–	12.2	–	–	0.0	–
77.0	65.0	–	0.0	–	11.4	0.0	0.0	–	0.0	–	–	0.0	–
77.0	90.0	–	–	–	–	20.4	12.1	–	0.0	–	–	0.0	–
80.0	51.0	–	9.7	0.0	–	0.0	0.0	–	0.0	–	–	0.0	–
80.0	60.0	–	0.0	0.0	–	0.0	0.0	–	0.0	–	–	10.8	–

TABLE 4. (cont.)

Lampanyctus ritteri (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
80.0	70.0	–	0.0	11.0	–	0.0	0.0	–	0.0	–	–	0.0	–
80.0	80.0	–	0.0	12.5	–	0.0	0.0	–	0.0	–	–	0.0	–
80.0	90.0	–	0.0	0.0	–	11.9	2.9	–	0.0	–	–	0.0	–
83.0	60.0	14.6	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	0.0
83.0	80.0	0.0	–	3.0	–	6.3	0.0	–	0.0	–	0.0	–	–
83.0	90.0	–	0.0	6.6	–	11.6	3.0	–	2.9	–	0.0	–	–
87.0	70.0	0.0	–	0.0	–	0.0	0.0	–	26.2	–	0.0	–	–
87.0	90.0	0.0	–	15.4	–	2.8	0.0	–	24.8	–	0.0	–	–
90.0	31.0	–	0.0	3.5	–	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	53.0	0.0	–	3.0	–	0.0	0.0	0.0	–	–	–	0.0	–
90.0	60.0	0.0	–	12.6	–	0.0	0.0	0.0	–	–	–	0.0	–
90.0	70.0	0.0	–	9.1	–	0.0	0.0	0.0	–	–	–	0.0	–
90.0	80.0	0.0	–	14.4	–	0.0	0.0	0.0	–	–	–	5.5	–
90.0	90.0	0.0	–	25.7	–	24.9	0.0	0.0	–	–	–	2.7	–
90.0	100.0	0.0	–	14.6	–	–	–	–	–	–	–	–	–
91.5	29.0	–	0.0	12.4	–	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	30.0	–	0.0	0.0	–	11.5	0.0	0.0	–	–	0.0	–	0.0
93.0	40.0	11.6	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	50.0	0.0	–	0.0	–	14.3	0.0	0.0	–	–	0.0	–	0.0
93.0	60.0	1.4	–	3.1	–	0.0	0.0	2.9	–	–	–	0.0	–
93.0	80.0	2.8	–	0.0	–	29.1	0.0	5.7	–	–	–	0.0	–
93.0	90.0	0.0	–	0.0	–	–	3.2	0.0	–	–	–	0.0	–
93.0	100.0	0.0	–	6.3	–	–	–	–	–	–	–	–	–
95.0	30.0	–	0.0	0.0	–	0.0	0.0	2.3	–	–	2.0	–	–
95.0	32.0	–	0.0	0.0	–	0.0	0.0	3.0	–	–	0.0	–	–
97.0	30.0	2.2	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	31.0	0.0	–	0.0	–	13.6	0.0	34.3	–	–	0.0	–	–
97.0	40.0	0.0	–	0.0	–	26.9	0.0	0.0	–	–	0.0	–	–
97.0	45.0	0.0	–	0.0	–	12.6	0.0	0.0	–	–	0.0	–	–
97.0	50.0	0.0	–	0.0	–	27.0	0.0	0.0	–	–	5.6	–	–
97.0	55.0	0.0	–	0.0	–	28.6	0.0	10.6	–	–	0.0	–	–
97.0	60.0	0.0	–	0.0	–	0.0	20.9	7.8	–	–	0.0	–	–
97.0	70.0	0.0	–	49.5	–	0.0	0.0	3.8	–	–	12.6	–	–
97.0	80.0	2.8	–	0.0	–	3.2	0.0	0.0	–	–	0.0	–	–
97.0	90.0	0.0	–	33.0	–	–	0.0	11.1	–	–	0.0	–	–
100.0	29.0	–	0.0	21.6	–	0.0	0.0	0.0	–	–	0.0	–	–
100.0	31.0	–	0.0	12.3	–	0.0	0.0	0.0	–	–	0.0	–	–
100.0	32.0	–	0.0	0.0	–	0.0	0.0	2.6	–	–	0.0	–	–
100.0	35.0	–	–	63.0	–	12.8	3.0	0.0	–	–	0.0	–	–
100.0	40.0	–	0.0	45.9	–	0.0	0.0	10.6	–	–	11.1	–	–
100.0	50.0	–	0.0	0.0	–	13.7	12.8	0.0	–	–	0.0	–	–
100.0	60.0	–	12.0	11.6	–	0.0	0.0	2.9	–	–	0.0	–	–
100.0	70.0	–	11.7	58.6	–	18.5	0.0	0.0	–	–	0.0	–	–
100.0	80.0	–	0.0	12.4	–	19.0	0.0	2.6	–	–	2.7	–	–
100.0	90.0	–	–	–	–	–	–	7.7	–	–	0.0	–	–
103.0	29.0	–	2.6	16.7	–	0.0	0.0	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Lampanyctus ritteri (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
103.0	32.0	–	0.0	0.0	–	11.7	0.0	0.0	–	–	0.0	–	–
103.0	40.0	–	0.0	0.0	–	13.6	0.0	0.0	–	–	10.5	–	–
103.0	45.0	–	0.0	0.0	–	38.6	25.5	0.0	–	–	10.6	–	–
103.0	50.0	–	0.0	22.7	–	0.0	0.0	0.0	–	–	0.0	–	–
103.0	60.0	–	0.0	11.0	–	13.7	0.0	10.8	–	–	0.0	–	–
103.0	70.0	–	2.9	0.0	–	3.4	0.0	0.0	–	–	0.0	–	–
103.0	90.0	–	–	–	–	–	–	0.0	–	–	5.4	–	–
107.0	33.0	–	0.0	24.1	–	–	22.1	–	0.0	–	0.0	–	–
107.0	34.0	–	0.0	0.0	–	–	0.0	–	10.8	–	0.0	–	–
107.0	40.0	–	0.0	10.8	–	–	0.0	–	0.0	–	0.0	–	–
107.0	50.0	–	0.0	11.8	–	–	0.0	–	0.0	–	2.7	–	–
107.0	60.0	–	0.0	11.8	–	–	11.8	–	0.0	–	2.6	–	–
107.0	70.0	–	–	13.0	–	–	0.0	5.7	–	–	0.0	–	–
107.0	80.0	–	–	19.9	–	–	0.0	0.0	–	–	0.0	–	–
110.0	33.0	–	0.0	22.2	–	0.0	–	0.0	0.0	–	0.0	–	–
110.0	35.0	–	0.0	45.4	–	54.2	–	0.0	0.0	–	0.0	–	–
110.0	40.0	–	0.0	54.0	–	28.6	–	0.0	9.4	–	0.0	–	–
110.0	45.0	–	0.0	0.0	–	27.1	–	0.0	10.0	–	0.0	–	–
110.0	60.0	–	0.0	0.0	–	13.3	–	13.7	0.0	–	0.0	–	–
110.0	70.0	–	–	0.0	–	–	–	3.2	2.6	–	0.0	–	–
110.0	80.0	–	–	34.6	–	–	–	0.0	5.8	–	0.0	–	–
113.0	32.0	–	0.0	0.0	–	3.1	–	0.0	0.0	–	0.0	–	–
113.0	40.0	–	0.0	0.0	–	0.0	–	0.0	11.2	–	11.5	–	–
113.0	45.0	–	0.0	80.9	–	15.2	–	0.0	23.0	–	0.0	–	–
113.0	80.0	–	–	28.8	–	–	–	0.0	0.0	–	0.0	–	–
117.0	26.0	–	0.0	0.0	–	–	–	0.0	0.0	–	2.8	–	–
117.0	27.0	–	0.0	11.6	–	–	–	0.0	0.0	–	0.0	–	–
117.0	45.0	–	0.0	5.7	–	–	–	0.0	0.0	–	0.0	–	–
117.0	60.0	–	0.0	2.8	–	–	–	0.0	0.0	–	0.0	–	–
117.0	70.0	–	–	5.5	–	–	–	3.1	0.0	–	0.0	–	–
117.0	80.0	–	–	0.0	–	–	–	5.5	0.0	–	0.0	–	–
118.0	39.0	–	0.0	0.0	–	–	–	23.7	0.0	–	0.0	–	–
119.0	33.0	–	0.0	0.0	–	12.4	–	0.0	0.0	–	0.0	–	–
120.0	40.0	–	0.0	0.0	–	1.4	–	0.0	0.0	–	0.0	–	–
120.0	60.0	–	0.0	0.0	–	27.9	–	0.0	0.0	–	0.0	–	–
120.0	70.0	–	–	2.9	–	0.0	–	0.0	0.0	–	0.0	–	–
120.0	80.0	–	–	0.0	–	–	–	0.0	2.6	–	0.0	–	–
123.0	50.0	–	0.0	0.0	–	0.0	–	–	0.0	–	11.0	–	–

Notolychnus valdiviae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
87.0	90.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	2.8	–	–
100.0	80.0	–	0.0	0.0	–	3.8	0.0	0.0	–	–	0.0	–	–
103.0	80.0	–	0.0	0.0	–	–	0.0	2.9	–	–	2.6	–	–

TABLE 4. (cont.)

Notolychnus valdiviae (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
103.0	90.0	–	–	–	–	–	–	17.2	–	–	0.0	–	–
107.0	60.0	–	0.0	0.0	–	–	0.0	–	0.0	–	2.6	–	–
107.0	70.0	–	–	0.0	–	–	0.0	0.0	–	–	2.5	–	–
107.0	80.0	–	–	0.0	–	–	19.0	0.0	–	–	2.6	–	–
113.0	40.0	–	0.0	0.0	–	0.0	–	0.0	11.2	–	0.0	–	–
117.0	70.0	–	–	0.0	–	–	–	0.0	2.7	–	0.0	–	–
120.0	80.0	–	–	0.0	–	–	–	3.1	0.0	–	0.0	–	–
127.0	36.0	–	0.0	–	0.0	–	–	–	0.0	–	9.3	–	–

Notoscopelus resplendens

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
103.0	80.0	–	0.0	0.0	–	–	0.0	8.7	–	–	0.0	–	–
103.0	90.0	–	–	–	–	–	–	8.6	–	–	0.0	–	–
107.0	80.0	–	–	0.0	–	–	2.7	8.2	–	–	0.0	–	–
120.0	70.0	–	–	0.0	–	0.0	–	5.7	0.0	–	0.0	–	–
123.0	60.0	–	0.0	0.0	–	0.0	–	–	0.0	–	6.2	–	–

Stenobrachius leucopsarus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	52.0	–	0.0	–	7.6	–	–	–	0.0	–	–	0.0	–
60.0	55.0	–	0.0	–	22.6	–	–	–	10.7	–	–	0.0	–
60.0	60.0	–	0.0	–	11.6	–	–	–	0.0	–	–	0.0	–
60.0	65.0	–	0.0	–	–	71.1	–	–	46.9	–	–	0.0	–
60.0	70.0	–	0.0	–	–	146.6	–	–	11.7	–	–	0.0	–
60.0	80.0	–	–	–	–	12.6	–	–	12.6	–	–	–	–
60.0	90.0	–	–	–	–	8.3	–	–	0.0	–	–	–	–
63.0	50.0	–	0.0	–	4.5	–	–	–	–	–	–	0.0	–
63.0	52.0	–	9.6	–	75.9	–	–	–	0.0	–	–	0.0	–
63.0	55.0	–	0.0	–	120.4	–	–	–	0.0	–	–	0.0	–
63.0	60.0	–	0.0	–	30.0	–	–	–	0.0	–	–	0.0	–
63.0	65.0	–	23.3	–	9.7	–	–	–	–	–	–	0.0	–
63.0	70.0	–	–	–	–	131.0	–	–	–	–	–	0.0	–
63.0	72.0	–	23.4	–	–	–	–	–	–	–	–	–	–
63.0	90.0	–	–	–	–	5.9	–	–	–	–	–	–	–
66.0	49.0	–	–	–	6.5	–	–	–	0.0	–	–	2.5	–
67.0	50.0	–	0.0	–	36.0	–	–	–	0.0	–	–	0.0	–
67.0	55.0	–	–	–	218.9	–	–	–	0.0	–	–	0.0	–
67.0	56.0	–	10.8	–	–	–	–	–	–	–	–	–	–
67.0	60.0	–	0.0	–	17.4	–	–	–	13.6	–	–	0.0	–
67.0	65.0	–	0.0	–	47.0	–	–	–	–	–	–	0.0	–
67.0	70.0	–	0.0	–	44.1	–	–	–	–	–	–	10.9	–
67.0	80.0	–	0.0	–	45.4	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
67.0	90.0	–	–	–	22.8	–	–	–	–	–	–	–	–
70.0	51.0	–	0.0	–	5.7	–	8.4	–	0.0	–	–	0.0	–
70.0	53.0	–	22.4	–	52.8	–	0.0	–	0.0	–	–	0.0	–
70.0	60.0	–	0.0	–	132.6	–	0.0	–	0.0	–	–	0.0	–
70.0	65.0	–	35.0	–	73.4	–	–	–	0.0	–	–	0.0	–
70.0	70.0	–	66.8	–	38.4	–	48.0	–	11.7	–	–	0.0	–
70.0	80.0	–	0.0	–	42.4	–	0.0	–	0.0	–	–	0.0	–
70.0	90.0	–	–	–	49.0	–	0.0	–	0.0	–	–	2.9	–
73.0	50.0	–	11.9	–	10.5	–	2.7	–	0.0	–	–	0.0	–
73.0	53.0	–	0.0	–	65.6	11.6	22.1	–	0.0	–	–	0.0	–
73.0	60.0	–	11.5	–	217.6	110.0	0.0	–	0.0	–	–	0.0	–
73.0	65.0	–	21.8	–	35.0	10.9	9.4	–	11.2	–	–	0.0	–
73.0	70.0	–	12.0	–	11.1	11.0	0.0	–	0.0	–	–	0.0	–
73.0	80.0	–	11.1	–	–	10.9	74.9	–	24.4	–	–	0.0	–
73.0	90.0	–	–	–	–	0.0	37.4	–	0.0	–	–	0.0	–
77.0	48.0	–	0.0	–	0.0	35.8	0.0	–	0.0	–	–	0.0	–
77.0	51.0	–	0.0	–	0.0	166.2	134.6	–	–	–	–	0.0	–
77.0	55.0	–	–	–	33.4	69.1	129.8	–	0.0	–	–	0.0	–
77.0	60.0	–	23.0	–	12.9	101.2	0.0	–	0.0	–	–	0.0	–
77.0	65.0	–	0.0	–	90.9	68.6	0.0	–	0.0	–	–	0.0	–
77.0	70.0	–	0.0	–	50.1	43.5	0.0	–	0.0	–	–	0.0	–
77.0	90.0	–	–	–	–	20.4	6.0	–	0.0	–	–	0.0	–
80.0	50.1	–	0.0	7.0	–	0.0	0.0	–	0.0	–	–	0.0	–
80.0	51.0	–	9.7	0.0	–	0.0	0.0	–	0.0	–	–	0.0	–
80.0	52.0	–	87.1	9.9	–	22.0	0.0	–	0.0	–	–	0.0	–
80.0	53.0	–	0.0	30.7	–	11.0	23.6	–	0.0	–	–	0.0	–
80.0	54.0	–	0.0	13.8	–	34.3	11.6	–	0.0	–	–	0.0	–
80.0	55.0	–	0.0	81.8	–	151.8	0.0	–	10.6	–	–	0.0	–
80.0	60.0	–	0.0	22.6	–	34.8	73.0	–	0.0	–	–	0.0	–
80.0	70.0	–	13.2	54.8	–	245.6	0.0	–	0.0	–	–	0.0	–
80.0	90.0	–	0.0	54.2	–	3.0	37.2	–	0.0	–	–	0.0	–
81.5	43.5	0.0	–	0.0	–	17.8	0.0	–	0.0	–	0.0	–	–
81.5	44.0	0.0	–	2.7	–	46.1	0.0	–	0.0	–	2.9	–	–
81.5	44.5	3.1	–	20.6	–	32.3	5.2	–	4.5	–	0.0	–	–
81.5	45.0	0.0	–	24.1	–	21.2	0.0	–	0.0	–	0.0	–	–
81.5	46.0	69.2	–	26.6	–	132.0	0.0	–	0.0	–	0.0	–	–
81.5	47.0	0.0	–	26.5	–	102.1	0.0	–	0.0	–	0.0	–	–
83.0	39.4	0.0	–	1.5	–	8.4	0.0	–	0.0	–	0.0	–	10.2
83.0	40.6	0.0	–	0.0	–	59.5	38.2	–	0.0	–	0.0	–	–
83.0	41.0	0.0	–	11.4	–	181.8	10.3	–	0.0	–	0.0	–	28.6
83.0	42.0	0.0	–	0.0	–	10.4	35.4	–	0.0	–	0.0	–	40.7
83.0	43.0	0.0	–	12.6	–	62.1	0.0	–	0.0	–	0.0	–	13.5
83.0	44.0	0.0	–	50.4	–	86.4	21.1	–	0.0	–	0.0	–	25.4
83.0	44.7	0.0	–	0.0	–	21.8	0.0	–	0.0	–	0.0	–	–
83.0	45.0	0.0	–	0.0	–	102.4	0.0	–	0.0	–	0.0	–	0.0
83.0	48.0	0.0	–	59.8	–	176.0	11.9	–	0.0	–	0.0	–	0.0

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
83.0	49.0	0.0	-	0.0	-	0.0	17.2	-	0.0	-	0.0	-	4.1
83.0	50.0	0.0	-	21.1	-	47.1	10.1	-	2.0	-	0.0	-	2.4
83.0	51.0	0.0	-	105.8	-	135.0	16.6	-	23.5	-	0.0	-	38.8
83.0	55.0	34.7	-	52.3	-	84.5	0.0	-	11.8	-	0.0	-	11.9
83.0	60.0	29.3	-	147.8	-	0.0	0.0	-	0.0	-	12.0	-	11.6
83.0	70.0	0.0	-	24.1	-	34.1	149.8	-	0.0	-	-	-	-
83.0	80.0	0.0	-	0.0	-	53.7	27.2	-	0.0	-	0.0	-	-
83.0	90.0	-	0.0	26.3	-	11.6	0.0	-	0.0	-	0.0	-	-
85.0	37.2	-	0.0	9.8	-	0.0	0.0	-	0.0	-	2.5	-	-
85.0	37.5	0.0	-	31.4	-	0.0	0.0	-	0.0	-	0.0	-	-
85.0	38.0	0.0	-	25.8	-	144.3	34.0	-	0.0	-	0.0	-	-
85.0	39.0	0.0	-	148.3	-	260.4	25.8	-	0.0	-	0.0	-	-
85.0	40.0	0.0	-	51.7	-	110.2	0.0	-	0.0	-	0.0	-	-
87.0	32.5	-	0.0	3.6	-	0.0	0.0	-	0.0	-	0.0	-	0.0
87.0	32.7	-	0.0	4.3	-	10.3	0.0	-	0.0	-	0.0	-	0.0
87.0	33.0	-	0.0	5.0	-	162.6	0.0	-	0.0	-	0.0	-	0.0
87.0	34.0	-	0.0	22.5	-	425.9	0.0	-	0.0	-	0.0	-	23.8
87.0	35.0	-	0.0	174.7	-	34.2	12.4	-	0.0	-	11.6	-	44.2
87.0	36.0	-	11.3	61.0	-	234.7	45.6	-	0.0	-	23.7	-	0.0
87.0	40.0	0.0	-	95.2	-	50.9	13.8	-	0.0	-	0.0	-	36.5
87.0	45.0	0.0	-	40.6	-	89.0	0.0	-	0.0	-	12.8	-	65.0
87.0	50.0	0.0	-	0.0	-	77.4	0.0	-	0.0	-	0.0	-	0.0
87.0	55.0	27.9	-	37.7	-	32.2	11.5	-	13.2	-	0.0	-	0.0
87.0	60.0	28.2	-	-	-	25.4	0.0	-	0.0	-	0.0	-	3.2
87.0	70.0	0.0	-	13.4	-	25.5	12.0	-	0.0	-	0.0	-	-
87.0	80.0	0.0	-	22.0	-	2.9	14.6	-	0.0	-	0.0	-	-
87.0	90.0	0.0	-	0.0	-	11.3	0.0	-	0.0	-	0.0	-	-
88.5	30.4	-	0.0	0.0	-	5.4	0.0	0.0	-	-	0.0	-	0.0
88.5	31.0	-	0.0	4.3	-	2.4	0.0	-	0.0	-	0.0	-	0.0
88.5	32.0	-	0.0	2.6	-	20.0	0.0	-	0.0	-	0.0	-	0.0
88.5	33.0	-	0.0	-	-	64.6	0.0	-	11.8	-	0.0	-	13.2
88.5	34.0	-	0.0	71.0	-	52.0	0.0	-	11.2	-	0.0	-	0.0
90.0	27.6	-	0.0	16.4	-	2.2	0.0	0.0	-	-	0.0	-	0.0
90.0	28.0	-	0.0	-	-	55.7	0.0	0.0	-	-	0.0	-	18.9
90.0	29.0	-	0.0	36.2	-	189.4	11.6	0.0	-	-	0.0	-	53.3
90.0	30.0	-	0.0	0.0	-	41.4	0.0	0.0	-	-	0.0	-	0.0
90.0	31.0	-	0.0	75.9	-	83.5	0.0	0.0	-	-	0.0	-	64.4
90.0	32.0	-	0.0	12.1	-	12.4	22.6	0.0	-	-	0.0	-	42.4
90.0	37.0	0.0	-	0.0	-	0.0	12.6	0.0	-	-	0.0	-	12.3
90.0	45.0	12.6	-	25.9	-	0.0	12.8	0.0	-	-	-	0.0	0.0
90.0	53.0	0.0	-	3.0	-	67.0	0.0	0.0	-	-	-	0.0	-
90.0	60.0	2.9	-	12.6	-	54.7	42.0	14.2	-	-	-	0.0	-
90.0	70.0	0.0	-	6.1	-	3.7	5.7	0.0	-	-	-	0.0	-
90.0	80.0	0.0	-	5.8	-	6.4	2.9	0.0	-	-	-	0.0	-
90.0	90.0	0.0	-	14.3	-	3.1	0.0	0.0	-	-	-	0.0	-
90.0	100.0	0.0	-	2.9	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
91.5	26.5	-	0.0	14.0	-	0.0	0.0	-	-	-	0.0	-	0.0
91.5	26.8	-	0.0	-	-	-	3.0	2.6	-	-	0.0	-	8.0
91.5	27.0	-	-	10.0	-	0.0	-	-	-	-	-	-	-
91.5	28.0	-	0.0	59.6	-	26.1	13.3	0.0	-	-	0.0	-	34.5
91.5	29.0	-	0.0	0.0	-	143.0	0.0	0.0	-	-	0.0	-	22.2
91.5	30.0	-	12.6	13.5	-	56.8	0.0	0.0	-	-	0.0	-	20.9
93.0	26.7	-	0.0	2.1	-	11.6	0.0	-	-	-	0.0	-	7.0
93.0	26.9	-	2.8	23.4	-	24.8	0.0	0.0	-	-	0.0	-	11.7
93.0	28.0	-	12.3	49.1	-	184.8	11.4	11.8	-	-	0.0	-	11.9
93.0	29.0	-	0.0	113.8	-	109.4	6.4	0.0	-	-	0.0	-	151.7
93.0	30.0	-	3.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	24.1
93.0	35.0	0.0	-	24.6	-	27.8	0.0	0.0	-	-	0.0	-	33.4
93.0	40.0	0.0	-	23.2	-	12.9	11.0	0.0	-	-	0.0	-	23.8
93.0	45.0	0.0	-	0.0	-	10.0	0.0	0.0	-	-	0.0	-	36.0
93.0	50.0	0.0	-	11.8	-	0.0	12.2	0.0	-	-	0.0	-	25.1
93.0	55.0	0.0	-	0.0	-	0.0	0.0	15.0	-	-	0.0	-	-
93.0	60.0	0.0	-	0.0	-	15.2	11.8	0.0	-	-	-	0.0	-
93.0	70.0	0.0	-	32.5	-	24.3	46.2	0.0	-	-	-	0.0	-
93.0	80.0	0.0	-	9.2	-	248.7	9.6	2.8	-	-	-	0.0	-
93.0	90.0	0.0	-	3.2	-	-	6.3	0.0	-	-	-	0.0	-
95.0	28.0	-	0.0	0.0	-	7.7	0.0	0.0	-	-	0.0	-	-
95.0	29.0	-	0.0	0.0	-	67.0	0.0	0.0	-	-	0.0	-	-
95.0	30.0	-	0.0	12.6	-	66.2	13.0	2.3	-	-	0.0	-	-
95.0	31.0	-	0.0	24.6	-	68.8	0.0	2.9	-	-	0.0	-	-
95.0	32.0	-	0.0	12.6	-	41.6	0.0	0.0	-	-	0.0	-	-
97.0	29.0	0.0	-	2.5	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	31.0	0.0	-	13.0	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	32.0	0.0	-	0.0	-	14.4	0.0	0.0	-	-	0.0	-	-
97.0	35.0	0.0	-	13.9	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	40.0	0.0	-	0.0	-	3.4	0.0	0.0	-	-	0.0	-	-
97.0	45.0	0.0	-	0.0	-	25.2	0.0	0.0	-	-	2.6	-	-
97.0	50.0	0.0	-	13.4	-	13.5	23.8	0.0	-	-	0.0	-	-
97.0	55.0	0.0	-	0.0	-	28.6	0.0	0.0	-	-	0.0	-	-
97.0	70.0	0.0	-	6.6	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	90.0	0.0	-	3.3	-	-	0.0	0.0	-	-	0.0	-	-
100.0	29.0	-	0.0	10.8	-	0.0	0.0	0.0	-	-	0.0	-	-
100.0	30.0	-	-	0.0	-	13.4	0.0	-	-	-	0.0	-	-
100.0	31.0	-	0.0	0.0	-	0.0	11.8	0.0	-	-	0.0	-	-
100.0	32.0	-	0.0	0.0	-	26.0	24.8	0.0	-	-	0.0	-	-
100.0	35.0	-	-	0.0	-	38.5	0.0	0.0	-	-	0.0	-	-
100.0	70.0	-	0.0	0.0	-	36.9	0.0	0.0	-	-	0.0	-	-
100.0	80.0	-	0.0	0.0	-	7.6	0.0	0.0	-	-	0.0	-	-
103.0	34.0	-	0.0	0.0	-	11.6	0.0	0.0	-	-	0.0	-	-
103.0	70.0	-	0.0	0.0	-	3.4	0.0	0.0	-	-	0.0	-	-
107.0	35.0	-	0.0	12.1	-	-	0.0	-	0.0	-	0.0	-	-
110.0	34.0	-	0.0	0.0	-	3.4	-	0.0	0.0	-	0.0	-	-

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
110.0	45.0	-	0.0	0.0	-	0.0	-	0.0	10.0	-	0.0	-	-
123.0	50.0	-	0.0	0.0	-	14.8	-	-	0.0	-	0.0	-	-

Triphoturus mexicanus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
80.0	50.1	-	0.0	1.8	-	0.0	0.0	-	0.0	-	-	0.0	-
83.0	44.7	2.8	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	-
83.0	50.0	0.0	-	0.0	-	0.0	0.0	-	2.0	-	0.0	-	0.0
83.0	51.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	3.2	-	0.0
83.0	90.0	-	0.0	0.0	-	0.0	0.0	-	5.9	-	0.0	-	-
85.0	37.5	0.0	-	0.0	-	0.0	0.0	-	0.0	-	4.9	-	-
87.0	55.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	13.4	-	0.0
87.0	60.0	0.0	-	-	-	0.0	0.0	-	12.4	-	0.0	-	0.0
87.0	70.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	2.8	-	-
87.0	80.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	9.1	-	-
87.0	90.0	0.0	-	0.0	-	0.0	0.0	-	9.3	-	2.8	-	-
88.5	34.0	-	0.0	0.0	-	0.0	0.0	-	11.2	-	0.0	-	0.0
90.0	27.6	-	0.0	0.0	-	0.0	0.0	0.0	-	-	5.0	-	0.0
90.0	37.0	11.9	-	0.0	-	0.0	0.0	0.0	-	-	11.5	-	0.0
90.0	60.0	0.0	-	0.0	-	0.0	0.0	8.5	-	-	-	0.0	-
90.0	70.0	0.0	-	0.0	-	0.0	0.0	3.1	-	-	-	0.0	-
90.0	80.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-	8.3	-
90.0	90.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-	8.0	-
91.5	28.0	-	0.0	0.0	-	13.0	0.0	8.5	-	-	0.0	-	0.0
91.5	29.0	-	0.0	0.0	-	0.0	0.0	3.1	-	-	0.0	-	0.0
93.0	26.9	-	2.8	0.0	-	0.0	0.0	0.0	-	-	0.0	-	0.0
93.0	28.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	2.9	-	0.0
93.0	29.0	-	0.0	0.0	-	0.0	0.0	22.6	-	-	0.0	-	0.0
93.0	30.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	22.5	-	0.0
93.0	35.0	0.0	-	0.0	-	0.0	12.6	0.0	-	-	11.0	-	0.0
93.0	50.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	2.7	-	0.0
93.0	55.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	18.6	-	-
93.0	60.0	1.5	-	0.0	-	0.0	0.0	11.8	-	-	-	11.0	-
93.0	70.0	0.0	-	0.0	-	0.0	0.0	3.0	-	-	-	8.3	-
93.0	80.0	2.8	-	0.0	-	0.0	3.2	0.0	-	-	-	2.6	-
93.0	90.0	2.6	-	0.0	-	-	0.0	3.1	-	-	-	0.0	-
94.0	32.0	0.0	-	0.0	-	-	-	42.1	-	-	-	-	-
95.0	29.0	-	0.0	0.0	-	0.0	0.0	4.3	-	-	2.0	-	-
95.0	30.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	2.0	-	-
95.0	31.0	-	0.0	0.0	-	0.0	14.2	0.0	-	-	0.0	-	-
95.0	32.0	-	12.0	0.0	-	0.0	41.8	12.0	-	-	0.0	-	-
97.0	28.8	1.5	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	29.0	5.2	-	0.0	-	0.0	0.0	0.0	-	-	8.0	-	-
97.0	30.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	9.4	-	-

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
97.0	31.0	11.3	-	0.0	-	0.0	9.2	0.0	-	-	0.0	-	-
97.0	32.0	0.0	-	0.0	-	0.0	12.5	0.0	-	-	0.0	-	-
97.0	35.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	33.8	-	-
97.0	40.0	0.0	-	0.0	-	0.0	3.1	0.0	-	-	0.0	-	-
97.0	45.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	2.6	-	-
97.0	50.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	5.6	-	-
97.0	55.0	10.5	-	0.0	-	0.0	0.0	0.0	-	-	2.4	-	-
97.0	60.0	0.0	-	0.0	-	0.0	0.0	15.7	-	-	20.6	-	-
97.0	70.0	0.0	-	0.0	-	0.0	0.0	45.2	-	-	12.6	-	-
97.0	80.0	5.5	-	2.9	-	0.0	3.4	0.0	-	-	3.1	-	-
97.0	90.0	5.7	-	0.0	-	-	3.0	16.6	-	-	14.7	-	-
100.0	29.0	-	11.3	0.0	-	0.0	0.0	2.7	-	-	11.3	-	-
100.0	30.0	-	-	0.0	-	0.0	0.0	-	-	-	18.2	-	-
100.0	31.0	-	0.0	0.0	-	0.0	35.4	0.0	-	-	8.3	-	-
100.0	32.0	-	63.1	0.0	-	0.0	24.8	13.2	-	-	0.0	-	-
100.0	35.0	-	-	0.0	-	0.0	26.6	0.0	-	-	31.9	-	-
100.0	40.0	-	0.0	0.0	-	0.0	11.6	21.1	-	-	66.7	-	-
100.0	50.0	-	0.0	0.0	-	0.0	12.8	23.7	-	-	22.0	-	-
100.0	60.0	-	0.0	0.0	-	0.0	87.3	404.6	-	-	13.3	-	-
100.0	70.0	-	0.0	2.9	-	0.0	71.3	93.9	-	-	24.6	-	-
100.0	80.0	-	0.0	0.0	-	7.6	86.2	36.5	-	-	0.0	-	-
100.0	90.0	-	-	-	-	-	-	51.6	-	-	53.8	-	-
103.0	28.8	-	0.0	0.0	-	0.0	0.0	0.0	-	-	1.5	-	-
103.0	29.0	-	2.6	0.0	-	0.0	0.0	23.2	-	-	3.3	-	-
103.0	30.0	-	0.0	0.0	-	0.0	0.0	10.0	-	-	119.3	-	-
103.0	31.0	-	11.6	0.0	-	0.0	0.0	34.2	-	-	0.0	-	-
103.0	32.0	-	12.3	0.0	-	0.0	0.0	0.0	-	-	11.3	-	-
103.0	35.0	-	3.0	0.0	-	0.0	0.0	10.2	-	-	11.5	-	-
103.0	40.0	-	2.7	0.0	-	0.0	0.0	0.0	-	-	10.5	-	-
103.0	45.0	-	0.0	0.0	-	0.0	51.0	20.1	-	-	42.4	-	-
103.0	50.0	-	0.0	0.0	-	0.0	134.2	0.0	-	-	32.4	-	-
103.0	60.0	-	12.3	0.0	-	0.0	36.5	10.8	-	-	18.8	-	-
103.0	70.0	-	0.0	3.2	-	0.0	14.8	53.5	-	-	5.6	-	-
103.0	80.0	-	3.0	8.9	-	-	24.6	32.0	-	-	18.1	-	-
103.0	90.0	-	-	-	-	-	-	163.0	-	-	24.5	-	-
107.0	30.3	-	0.0	0.0	-	-	1.9	-	0.0	-	0.0	-	-
107.0	30.6	-	0.0	0.0	-	-	2.1	-	1.6	-	0.0	-	-
107.0	31.0	-	0.0	0.0	-	-	64.7	-	2.3	-	0.0	-	-
107.0	32.0	-	0.0	0.0	-	-	12.3	-	21.8	-	106.4	-	-
107.0	33.0	-	0.0	0.0	-	-	55.2	-	68.4	-	106.6	-	-
107.0	34.0	-	0.0	0.0	-	-	63.4	-	129.1	-	41.5	-	-
107.0	35.0	-	0.0	0.0	-	-	0.0	-	0.0	-	43.5	-	-
107.0	40.0	-	0.0	0.0	-	-	49.3	-	43.8	-	5.3	-	-
107.0	50.0	-	0.6	0.0	-	-	23.3	-	30.1	-	8.0	-	-
107.0	60.0	-	0.0	0.0	-	-	176.4	-	20.7	-	5.1	-	-
107.0	70.0	-	-	0.0	-	-	111.9	242.2	-	-	17.7	-	-

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
107.0	80.0	-	-	0.0	-	-	8.2	21.8	-	-	0.0	-	-
107.0	90.0	-	-	-	-	-	-	40.0	-	-	13.9	-	-
110.0	31.7	-	-	-	-	-	-	-	8.7	-	0.0	-	-
110.0	32.0	-	-	-	-	-	-	-	89.0	-	-	-	-
110.0	32.4	-	0.0	0.0	-	0.0	-	78.7	-	-	8.8	-	-
110.0	33.0	-	0.0	0.0	-	0.0	-	198.4	79.2	-	0.0	-	-
110.0	34.0	-	0.0	0.0	-	0.0	-	85.1	24.8	-	12.9	-	-
110.0	35.0	-	33.5	0.0	-	40.7	-	23.8	32.3	-	11.8	-	-
110.0	40.0	-	0.0	0.0	-	28.6	-	11.1	205.9	-	11.4	-	-
110.0	45.0	-	0.0	0.0	-	13.6	-	12.3	100.0	-	0.0	-	-
110.0	50.0	-	2.8	0.0	-	13.6	-	38.0	39.7	-	32.2	-	-
110.0	55.0	-	2.8	0.0	-	0.0	-	13.0	0.0	-	22.7	-	-
110.0	60.0	-	0.0	0.0	-	0.0	-	41.0	63.8	-	0.0	-	-
110.0	70.0	-	-	0.0	-	-	-	170.7	37.0	-	20.0	-	-
110.0	80.0	-	-	0.0	-	-	-	55.1	176.9	-	29.4	-	-
113.0	28.8	-	0.0	0.0	-	0.0	-	0.0	2.0	-	0.0	-	-
113.0	30.0	-	0.0	0.0	-	0.0	-	0.0	2.1	-	0.0	-	-
113.0	31.0	-	0.0	0.0	-	0.0	-	0.0	2.2	-	0.0	-	-
113.0	32.0	-	0.0	0.0	-	3.1	-	2.9	94.1	-	0.0	-	-
113.0	35.0	-	0.0	0.0	-	0.0	-	46.6	199.4	-	0.0	-	-
113.0	40.0	-	0.0	0.0	-	0.0	-	125.6	145.6	-	23.0	-	-
113.0	45.0	-	0.0	34.7	-	121.3	-	115.6	401.8	-	11.3	-	-
113.0	50.0	-	0.0	0.0	-	45.0	-	172.2	778.3	-	19.5	-	-
113.0	60.0	-	0.0	0.0	-	26.4	-	12.2	64.8	-	33.6	-	-
113.0	70.0	-	-	0.0	-	0.0	-	45.2	88.2	-	57.0	-	-
113.0	80.0	-	-	5.8	-	-	-	72.3	144.3	-	139.8	-	-
117.0	25.0	-	0.0	0.0	-	-	-	0.0	2.7	-	2.1	-	-
117.0	28.0	-	0.0	0.0	-	-	-	0.0	2.6	-	0.0	-	-
117.0	30.0	-	0.0	0.0	-	-	-	0.0	0.0	-	9.7	-	-
117.0	35.0	-	0.0	0.0	-	-	-	0.0	0.0	-	10.4	-	-
117.0	40.0	-	0.0	0.0	-	-	-	36.6	22.2	-	36.5	-	-
117.0	45.0	-	3.0	0.0	-	-	-	42.6	77.0	-	84.5	-	-
117.0	50.0	-	0.0	0.0	-	-	-	23.4	83.5	-	23.8	-	-
117.0	60.0	-	0.0	0.0	-	-	-	46.9	21.9	-	20.3	-	-
117.0	70.0	-	-	0.0	-	-	-	79.8	341.5	-	52.2	-	-
117.0	80.0	-	-	2.9	-	-	-	161.1	322.5	-	21.1	-	-
118.0	39.0	-	0.0	0.0	-	-	-	94.7	154.2	-	10.0	-	-
120.0	22.4	-	0.0	0.0	-	0.0	-	0.0	4.4	-	0.0	-	-
120.0	30.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	5.0	-	-
120.0	40.0	-	2.3	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	45.0	-	6.2	11.6	-	0.0	-	23.8	21.0	-	129.6	-	-
120.0	50.0	-	12.9	0.0	-	0.0	-	77.0	290.1	-	188.5	-	-
120.0	60.0	-	0.0	0.0	-	125.6	-	49.8	467.0	-	67.7	-	-
120.0	70.0	-	-	14.4	-	22.2	-	14.3	51.1	-	23.9	-	-
120.0	80.0	-	-	19.3	-	-	-	128.3	81.8	-	2.7	-	-
123.0	35.7	-	0.0	-	1.8	9.9	-	-	0.0	-	0.0	-	-

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
123.0	36.0	-	0.0	-	8.9	0.0	-	-	0.0	-	10.6	-	-
123.0	37.0	-	0.0	-	18.0	0.0	-	-	43.0	-	9.0	-	-
123.0	38.0	-	0.0	-	10.5	0.0	-	-	102.2	-	18.7	-	-
123.0	39.0	-	8.3	-	21.8	0.0	-	-	33.5	-	23.1	-	-
123.0	42.0	-	11.8	-	72.2	0.0	-	-	158.9	-	43.4	-	-
123.0	45.0	-	0.0	0.0	-	24.5	-	-	233.3	-	47.2	-	-
123.0	50.0	-	0.0	0.0	-	0.0	-	-	772.5	-	142.5	-	-
123.0	60.0	-	0.0	12.4	-	27.7	-	-	102.6	-	34.1	-	-
127.0	32.6	-	0.0	-	2.0	-	-	-	0.0	-	0.0	-	-
127.0	33.0	-	0.0	-	7.4	-	-	-	0.0	-	0.0	-	-
127.0	34.0	-	0.0	-	0.0	-	-	-	2.6	-	43.0	-	-
127.0	35.0	-	0.0	-	5.3	-	-	-	0.0	-	28.4	-	-
127.0	36.0	-	0.0	-	47.2	-	-	-	22.9	-	18.6	-	-
127.0	40.0	-	20.6	-	0.0	-	-	-	116.0	-	214.2	-	-
127.0	45.0	-	12.5	-	0.0	-	-	-	228.5	-	80.9	-	-
127.0	50.0	-	0.0	-	34.8	-	-	-	87.0	-	35.5	-	-
127.0	60.0	-	0.0	-	44.8	-	-	-	118.4	-	22.6	-	-
130.0	26.0	-	0.0	-	1.9	2.0	-	-	0.0	-	0.0	-	-
130.0	27.0	-	0.0	-	0.0	7.9	-	-	0.0	-	0.0	-	-
130.0	35.0	-	0.0	-	11.8	55.8	-	-	0.0	-	82.6	-	-
130.0	40.0	-	24.9	-	11.8	0.0	-	-	612.7	-	56.2	-	-
130.0	50.0	-	0.0	-	23.8	12.5	-	-	298.1	-	25.6	-	-
130.0	60.0	-	0.0	-	11.3	51.0	-	-	33.7	-	11.2	-	-
133.0	30.0	-	0.0	-	0.0	-	-	-	10.0	-	0.0	-	-
133.0	35.0	-	12.1	-	0.0	-	-	-	231.2	-	0.0	-	-
133.0	40.0	-	0.0	-	22.5	-	-	-	59.0	-	25.4	-	-
133.0	50.0	-	2.8	-	17.1	-	-	-	0.0	-	0.0	-	-
133.0	60.0	-	0.0	-	2.7	-	-	-	29.5	-	0.0	-	-
137.0	30.0	-	0.0	-	9.9	-	-	-	10.2	-	11.5	-	-
137.0	35.0	-	3.0	-	3.0	-	-	-	205.4	-	0.0	-	-
137.0	40.0	-	0.0	-	5.9	-	-	-	109.6	-	0.0	-	-
137.0	50.0	-	0.0	-	25.8	-	-	-	0.0	-	3.2	-	-
137.0	60.0	-	12.0	-	5.9	-	-	-	8.3	-	3.1	-	-

Benthosema pterota

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
117.0	45.0	-	0.0	0.0	-	-	-	0.0	0.0	-	31.7	-	-
117.0	70.0	-	-	0.0	-	-	-	0.0	0.0	-	19.6	-	-
117.0	80.0	-	-	0.0	-	-	-	0.0	0.0	-	2.3	-	-

TABLE 4. (cont.)

Diogenichthys spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
97.0	35.0	3.1	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	80.0	0.0	-	0.0	-	0.0	3.4	0.0	-	-	0.0	-	-
100.0	50.0	-	12.2	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
103.0	70.0	-	0.0	0.0	-	0.0	3.0	0.0	-	-	0.0	-	-
103.0	90.0	-	-	-	-	-	-	5.7	-	-	0.0	-	-
107.0	60.0	-	18.2	0.0	-	-	0.0	-	0.0	-	0.0	-	-
107.0	70.0	-	-	0.0	-	-	2.9	0.0	-	-	0.0	-	-
110.0	50.0	-	2.8	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	31.0	-	0.0	10.7	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	32.0	-	0.0	10.4	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	60.0	-	24.6	11.5	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	70.0	-	-	0.0	-	0.0	-	0.0	5.0	-	0.0	-	-
113.0	80.0	-	-	5.8	-	-	-	0.0	0.0	-	0.0	-	-
117.0	45.0	-	0.0	2.9	-	-	-	0.0	0.0	-	0.0	-	-
117.0	60.0	-	14.9	0.0	-	-	-	0.0	0.0	-	0.0	-	-
117.0	80.0	-	-	2.9	-	-	-	0.0	0.0	-	0.0	-	-
120.0	70.0	-	-	5.8	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	80.0	-	-	2.8	-	-	-	0.0	0.0	-	0.0	-	-
123.0	39.0	-	0.0	-	10.9	0.0	-	-	0.0	-	0.0	-	-
123.0	45.0	-	0.0	11.5	-	0.0	-	-	0.0	-	0.0	-	-

Diogenichthys atlanticus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	90.0	-	-	-	-	2.1	-	-	0.0	-	-	-	-
70.0	90.0	-	-	-	0.0	-	5.9	-	0.0	-	-	0.0	-
73.0	90.0	-	-	-	-	0.0	9.4	-	0.0	-	-	0.0	-
77.0	65.0	-	21.9	-	0.0	0.0	0.0	-	0.0	-	-	0.0	-
77.0	70.0	-	0.0	-	12.5	0.0	0.0	-	0.0	-	-	0.0	-
77.0	80.0	-	0.0	-	-	11.3	0.0	-	0.0	-	-	0.0	-
77.0	90.0	-	-	-	-	38.0	3.0	-	0.0	-	-	0.0	-
80.0	60.0	-	0.0	0.0	-	0.0	0.0	-	12.7	-	-	0.0	-
80.0	70.0	-	0.0	11.0	-	0.0	0.0	-	0.0	-	-	0.0	-
80.0	80.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	-	11.2	-
80.0	90.0	-	0.0	6.4	-	3.0	14.3	-	0.0	-	-	0.0	-
83.0	80.0	0.0	-	0.0	-	28.4	2.7	-	0.0	-	0.0	-	-
83.0	90.0	-	53.2	0.0	-	29.0	23.7	-	0.0	-	0.0	-	-
85.0	39.0	0.0	-	0.0	-	0.0	12.9	-	0.0	-	0.0	-	-
87.0	70.0	0.0	-	0.0	-	0.0	3.0	-	0.0	-	0.0	-	-
87.0	80.0	0.0	-	0.0	-	2.9	0.0	-	0.0	-	6.1	-	-
87.0	90.0	21.8	-	0.0	-	0.0	0.0	-	3.1	-	2.8	-	-
90.0	60.0	0.0	-	0.0	-	0.0	0.0	5.7	-	-	-	0.0	-
90.0	80.0	0.0	-	8.6	-	0.0	0.0	0.0	-	-	-	13.9	-
90.0	90.0	5.5	-	5.7	-	9.3	0.0	0.0	-	-	-	21.4	-
90.0	100.0	25.9	-	14.6	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Diogenichthys atlanticus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
93.0	50.0	0.0	–	0.0	–	0.0	0.0	14.2	–	–	0.0	–	0.0
93.0	60.0	4.5	–	3.1	–	0.0	0.0	0.0	–	–	–	2.8	–
93.0	70.0	3.3	–	0.0	–	0.0	0.0	0.0	–	–	–	0.0	–
93.0	80.0	0.0	–	3.1	–	12.9	3.2	2.8	–	–	–	0.0	–
93.0	90.0	2.6	–	0.0	–	–	9.5	0.0	–	–	–	0.0	–
93.0	100.0	17.3	–	3.2	–	–	–	–	–	–	–	–	–
94.0	32.0	2.5	–	0.0	–	–	–	0.0	–	–	–	–	–
97.0	45.0	0.0	–	0.0	–	0.0	11.6	0.0	–	–	0.0	–	–
97.0	60.0	11.2	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	70.0	19.8	–	6.6	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	80.0	5.5	–	8.7	–	3.2	0.0	0.0	–	–	0.0	–	–
97.0	90.0	5.7	–	9.9	–	–	6.1	8.3	–	–	2.9	–	–
100.0	50.0	–	0.0	0.0	–	13.7	0.0	0.0	–	–	0.0	–	–
100.0	60.0	–	0.0	11.6	–	0.0	2.9	0.0	–	–	15.9	–	–
100.0	70.0	–	20.5	11.7	–	11.1	8.9	6.3	–	–	3.1	–	–
100.0	80.0	–	2.8	52.5	–	83.6	9.2	0.0	–	–	2.7	–	–
100.0	90.0	–	–	–	–	–	–	5.2	–	–	37.7	–	–
103.0	40.0	–	0.0	12.7	–	13.6	0.0	0.0	–	–	0.0	–	–
103.0	45.0	–	0.0	0.0	–	25.8	0.0	0.0	–	–	0.0	–	–
103.0	50.0	–	0.0	11.4	–	14.4	0.0	0.0	–	–	0.0	–	–
103.0	60.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.7	–	–
103.0	70.0	–	14.4	0.0	–	10.3	0.0	12.8	–	–	5.6	–	–
103.0	80.0	–	0.0	3.0	–	–	6.1	2.9	–	–	31.0	–	–
103.0	90.0	–	–	–	–	–	–	2.9	–	–	2.7	–	–
107.0	33.0	–	0.0	0.0	–	–	11.0	–	0.0	–	11.8	–	–
107.0	34.0	–	0.0	12.0	–	–	0.0	–	0.0	–	0.0	–	–
107.0	35.0	–	0.0	12.1	–	–	0.0	–	0.0	–	0.0	–	–
107.0	40.0	–	0.0	10.8	–	–	0.0	–	0.0	–	0.0	–	–
107.0	50.0	–	0.0	5.9	–	–	11.6	–	0.0	–	5.4	–	–
107.0	60.0	–	0.0	5.9	–	–	11.8	–	10.4	–	23.1	–	–
107.0	70.0	–	–	0.0	–	–	11.5	2.8	–	–	5.1	–	–
107.0	80.0	–	–	5.7	–	–	0.0	5.4	–	–	0.0	–	–
110.0	34.0	–	0.0	0.0	–	6.9	–	0.0	5.5	–	0.0	–	–
110.0	35.0	–	0.0	22.7	–	27.1	–	11.9	0.0	–	0.0	–	–
110.0	40.0	–	0.0	0.0	–	14.3	–	0.0	0.0	–	0.0	–	–
110.0	50.0	–	2.8	0.0	–	13.6	–	0.0	0.0	–	0.0	–	–
110.0	55.0	–	0.0	10.8	–	10.2	–	0.0	0.0	–	0.0	–	–
110.0	70.0	–	–	0.0	–	–	–	3.2	0.0	–	0.0	–	–
110.0	80.0	–	–	0.0	–	–	–	0.0	2.9	–	0.0	–	–
113.0	32.0	–	0.0	0.0	–	6.2	–	0.0	0.0	–	0.0	–	–
113.0	40.0	–	0.0	0.0	–	0.0	–	12.6	0.0	–	0.0	–	–
113.0	45.0	–	0.0	0.0	–	60.6	–	0.0	0.0	–	0.0	–	–
113.0	50.0	–	3.0	0.0	–	0.0	–	21.5	11.3	–	0.0	–	–
113.0	70.0	–	–	0.0	–	8.1	–	0.0	2.5	–	0.0	–	–
113.0	80.0	–	–	14.4	–	–	–	5.8	0.0	–	0.0	–	–
117.0	35.0	–	0.0	0.0	–	–	–	11.3	0.0	–	20.7	–	–

TABLE 4. (cont.)

Diogenichthys atlanticus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
117.0	40.0	–	0.0	12.4	–	–	–	0.0	0.0	–	24.3	–	–
117.0	45.0	–	3.0	0.0	–	–	–	0.0	3.0	–	0.0	–	–
117.0	60.0	–	8.9	5.6	–	–	–	0.0	0.0	–	4.5	–	–
117.0	70.0	–	–	2.8	–	–	–	6.1	2.7	–	0.0	–	–
117.0	80.0	–	–	14.5	–	–	–	5.5	0.0	–	0.0	–	–
118.0	39.0	–	0.0	0.0	–	–	–	0.0	0.0	–	20.1	–	–
120.0	70.0	–	–	20.2	–	3.2	–	0.0	5.4	–	0.0	–	–
120.0	80.0	–	–	5.5	–	–	–	18.8	2.6	–	2.7	–	–
123.0	42.0	–	0.0	–	0.0	13.6	–	–	0.0	–	10.8	–	–
123.0	45.0	–	0.0	11.5	–	0.0	–	–	0.0	–	0.0	–	–
123.0	50.0	–	0.0	0.0	–	0.0	–	–	0.0	–	11.0	–	–
123.0	60.0	–	0.0	0.0	–	0.0	–	–	0.0	–	3.1	–	–
127.0	50.0	–	0.0	–	11.6	–	–	–	0.0	–	0.0	–	–
127.0	60.0	–	0.0	–	89.6	–	–	–	0.0	–	0.0	–	–

Diogenichthys laternatus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
85.0	38.0	0.0	–	0.0	–	0.0	0.0	–	11.3	–	0.0	–	–
100.0	90.0	–	–	–	–	–	–	2.6	–	–	0.0	–	–
103.0	90.0	–	–	–	–	–	–	8.6	–	–	2.7	–	–
107.0	32.0	–	0.0	12.3	–	–	0.0	–	0.0	–	0.0	–	–
107.0	40.0	–	0.0	10.8	–	–	0.0	–	0.0	–	0.0	–	–
107.0	70.0	–	–	0.0	–	–	2.9	0.0	–	–	0.0	–	–
107.0	80.0	–	–	2.8	–	–	5.4	0.0	–	–	0.0	–	–
107.0	90.0	–	–	–	–	–	–	5.7	–	–	2.8	–	–
110.0	34.0	–	0.0	0.0	–	0.0	–	12.2	0.0	–	0.0	–	–
110.0	40.0	–	12.2	10.8	–	0.0	–	0.0	0.0	–	0.0	–	–
110.0	60.0	–	0.0	11.8	–	0.0	–	13.7	0.0	–	0.0	–	–
110.0	70.0	–	–	0.0	–	–	–	3.2	0.0	–	0.0	–	–
110.0	80.0	–	–	25.9	–	–	–	0.0	0.0	–	0.0	–	–
113.0	31.0	–	11.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	–
113.0	32.0	–	0.0	10.4	–	0.0	–	0.0	0.0	–	0.0	–	–
113.0	35.0	–	0.0	23.6	–	0.0	–	0.0	0.0	–	0.0	–	–
113.0	40.0	–	6.0	12.8	–	0.0	–	0.0	22.4	–	0.0	–	–
113.0	45.0	–	9.3	0.0	–	0.0	–	0.0	11.5	–	0.0	–	–
113.0	50.0	–	0.0	11.6	–	0.0	–	0.0	0.0	–	5.6	–	–
113.0	60.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	11.2	–	–
113.0	70.0	–	–	0.0	–	0.0	–	0.0	5.0	–	5.7	–	–
113.0	80.0	–	–	49.0	–	–	–	0.0	2.3	–	0.0	–	–
117.0	28.0	–	2.8	0.0	–	–	–	0.0	0.0	–	0.0	–	–
117.0	30.0	–	3.0	0.0	–	–	–	0.0	0.0	–	0.0	–	–
117.0	40.0	–	12.7	0.0	–	–	–	0.0	0.0	–	0.0	–	–
117.0	50.0	–	12.6	23.4	–	–	–	0.0	0.0	–	0.0	–	–
117.0	60.0	–	0.0	0.0	–	–	–	2.9	0.0	–	0.0	–	–

TABLE 4. (cont.)

Diogenichthys laternatus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
117.0	70.0	–	–	8.3	–	–	–	0.0	13.6	–	3.3	–	–
117.0	80.0	–	–	11.6	–	–	–	0.0	8.3	–	7.0	–	–
118.0	39.0	–	0.0	0.0	–	–	–	0.0	10.3	–	0.0	–	–
120.0	40.0	–	0.0	4.3	–	0.0	–	0.0	0.0	–	0.0	–	–
120.0	45.0	–	70.8	8.7	–	0.0	–	0.0	10.5	–	13.0	–	–
120.0	50.0	–	25.8	5.7	–	0.0	–	11.0	0.0	–	0.0	–	–
120.0	60.0	–	0.0	12.0	–	27.9	–	0.0	11.1	–	0.0	–	–
120.0	70.0	–	–	34.6	–	63.4	–	0.0	2.7	–	3.0	–	–
120.0	80.0	–	–	16.6	–	–	–	37.6	5.3	–	0.0	–	–
123.0	36.0	–	0.0	–	1.8	0.0	–	–	0.0	–	0.0	–	–
123.0	37.0	–	16.6	–	12.8	0.0	–	–	0.0	–	0.0	–	–
123.0	38.0	–	84.7	–	0.0	0.0	–	–	0.0	–	0.0	–	–
123.0	39.0	–	19.4	–	0.0	0.0	–	–	2.2	–	0.0	–	–
123.0	42.0	–	71.0	–	24.1	0.0	–	–	57.5	–	0.0	–	–
123.0	45.0	–	0.0	11.5	–	0.0	–	–	0.0	–	0.0	–	–
123.0	50.0	–	0.0	22.8	–	29.5	–	–	10.9	–	0.0	–	–
123.0	60.0	–	22.9	0.0	–	0.0	–	–	0.0	–	0.0	–	–
127.0	34.0	–	0.0	–	15.7	–	–	–	2.6	–	0.0	–	–
127.0	35.0	–	0.0	–	5.3	–	–	–	4.7	–	14.2	–	–
127.0	36.0	–	0.0	–	0.0	–	–	–	11.4	–	18.6	–	–
127.0	40.0	–	103.3	–	0.0	–	–	–	11.6	–	57.1	–	–
127.0	45.0	–	137.7	–	118.4	–	–	–	10.9	–	11.6	–	–
127.0	50.0	–	24.5	–	0.0	–	–	–	12.8	–	11.8	–	–
127.0	60.0	–	35.3	–	0.0	–	–	–	0.0	–	34.0	–	–
130.0	35.0	–	23.8	–	0.0	69.8	–	–	0.0	–	11.8	–	–
130.0	40.0	–	87.1	–	82.6	15.1	–	–	115.6	–	11.2	–	–
130.0	50.0	–	0.0	–	131.1	62.4	–	–	149.1	–	22.7	–	–
130.0	60.0	–	44.1	–	0.0	353.6	–	–	11.2	–	0.0	–	–
133.0	30.0	–	0.0	–	19.5	–	–	–	10.0	–	0.0	–	–
133.0	35.0	–	0.0	–	2.8	–	–	–	217.6	–	0.0	–	–
133.0	40.0	–	12.2	–	33.7	–	–	–	18.8	–	0.0	–	–
133.0	50.0	–	2.8	–	42.8	–	–	–	86.7	–	0.0	–	–
133.0	60.0	–	3.0	–	19.0	–	–	–	67.0	–	15.3	–	–
137.0	30.0	–	0.0	–	3.3	–	–	–	10.2	–	0.0	–	–
137.0	35.0	–	3.0	–	6.1	–	–	–	25.7	–	0.0	–	–
137.0	40.0	–	9.0	–	2.9	–	–	–	54.8	–	10.1	–	–
137.0	50.0	–	14.1	–	8.6	–	–	–	37.0	–	18.9	–	–
137.0	60.0	–	12.0	–	85.0	–	–	–	33.2	–	30.8	–	–

Electrona rissoi

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
77.0	90.0	–	–	–	–	2.9	0.0	–	0.0	–	–	0.0	–
80.0	90.0	–	0.0	0.0	–	3.0	0.0	–	0.0	–	–	0.0	–
90.0	70.0	0.0	–	3.0	–	0.0	0.0	0.0	–	–	–	0.0	–

TABLE 4. (cont.)

Electrona rissoi (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
90.0	90.0	0.0	–	0.0	–	0.0	3.0	0.0	–	–	–	0.0	–
100.0	60.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.7	–	–
100.0	90.0	–	–	–	–	–	–	0.0	–	–	2.7	–	–
103.0	80.0	–	0.0	0.0	–	–	0.0	2.9	–	–	0.0	–	–

Gonichthys tenuiculus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
113.0	45.0	–	3.1	0.0	–	0.0	–	0.0	0.0	–	0.0	–	–
113.0	60.0	–	0.0	0.0	–	0.0	–	0.0	10.8	–	0.0	–	–
120.0	50.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	9.9	–	–
120.0	70.0	–	–	0.0	–	3.2	–	0.0	0.0	–	0.0	–	–
127.0	40.0	–	11.8	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0	45.0	–	12.5	–	0.0	–	–	–	0.0	–	0.0	–	–
130.0	40.0	–	12.4	–	0.0	0.0	–	–	0.0	–	0.0	–	–
130.0	50.0	–	0.0	–	0.0	0.0	–	–	0.0	–	2.8	–	–
130.0	60.0	–	0.0	–	0.0	0.0	–	–	2.8	–	0.0	–	–
133.0	35.0	–	0.0	–	2.8	–	–	–	0.0	–	0.0	–	–
133.0	40.0	–	12.2	–	0.0	–	–	–	0.0	–	0.0	–	–
133.0	50.0	–	2.8	–	0.0	–	–	–	21.7	–	0.0	–	–
133.0	60.0	–	0.0	–	0.0	–	–	–	13.4	–	0.0	–	–
137.0	40.0	–	15.0	–	2.9	–	–	–	0.0	–	0.0	–	–
137.0	50.0	–	5.6	–	5.7	–	–	–	2.8	–	0.0	–	–
137.0	60.0	–	24.1	–	2.9	–	–	–	5.5	–	3.1	–	–

Hygophum atratum

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
103.0	80.0	–	0.0	3.0	–	–	0.0	0.0	–	–	0.0	–	–
107.0	80.0	–	–	2.8	–	–	0.0	0.0	–	–	0.0	–	–
113.0	80.0	–	–	5.8	–	–	–	0.0	0.0	–	3.0	–	–
117.0	80.0	–	–	5.8	–	–	–	0.0	0.0	–	0.0	–	–
120.0	70.0	–	–	0.0	–	3.2	–	0.0	0.0	–	0.0	–	–
120.0	80.0	–	–	5.5	–	–	–	0.0	0.0	–	0.0	–	–
123.0	42.0	–	11.8	–	0.0	0.0	–	–	16.4	–	0.0	–	–
127.0	40.0	–	3.0	–	11.7	–	–	–	0.0	–	0.0	–	–
130.0	40.0	–	12.4	–	0.0	0.0	–	–	0.0	–	0.0	–	–
130.0	50.0	–	0.0	–	0.0	0.0	–	–	5.1	–	5.7	–	–
130.0	60.0	–	0.0	–	5.6	0.0	–	–	0.0	–	5.6	–	–
133.0	35.0	–	0.0	–	0.0	–	–	–	3.4	–	0.0	–	–
133.0	40.0	–	12.2	–	0.0	–	–	–	0.0	–	0.0	–	–
137.0	50.0	–	2.8	–	0.0	–	–	–	0.0	–	0.0	–	–
137.0	60.0	–	6.0	–	8.8	–	–	–	2.8	–	0.0	–	–

TABLE 4. (cont.)

Hygophum reinhardtii

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
100.0	60.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.7	–	–
100.0	80.0	–	0.0	3.1	–	0.0	0.0	0.0	–	–	0.0	–	–
100.0	90.0	–	–	–	–	–	–	0.0	–	–	2.7	–	–
103.0	90.0	–	–	–	–	–	–	11.4	–	–	0.0	–	–
107.0	80.0	–	–	0.0	–	–	0.0	2.7	–	–	0.0	–	–
107.0	90.0	–	–	–	–	–	–	0.0	–	–	2.8	–	–
110.0	80.0	–	–	2.9	–	–	–	6.1	0.0	–	0.0	–	–
123.0	45.0	–	0.0	11.5	–	0.0	–	–	0.0	–	0.0	–	–

Loweina rara

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
100.0	90.0	–	–	–	–	–	–	0.0	–	–	2.7	–	–
120.0	70.0	–	–	0.0	–	3.2	–	2.9	0.0	–	0.0	–	–

Myctophum nitidulum

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
87.0	80.0	0.0	–	2.8	–	0.0	0.0	–	0.0	–	0.0	–	–
93.0	60.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–	2.8	–
97.0	80.0	0.0	–	2.9	–	0.0	0.0	0.0	–	–	0.0	–	–
100.0	29.0	–	11.3	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
100.0	80.0	–	0.0	3.1	–	0.0	0.0	0.0	–	–	0.0	–	–
100.0	90.0	–	–	–	–	–	–	0.0	–	–	2.7	–	–
103.0	80.0	–	0.0	3.0	–	–	3.1	5.8	–	–	2.6	–	–
107.0	33.0	–	12.0	0.0	–	–	0.0	–	0.0	–	0.0	–	–
107.0	60.0	–	36.4	0.0	–	–	0.0	–	0.0	–	0.0	–	–
107.0	70.0	–	–	0.0	–	–	0.0	2.8	–	–	0.0	–	–
107.0	80.0	–	–	5.7	–	–	0.0	0.0	–	–	0.0	–	–
110.0	55.0	–	2.8	0.0	–	0.0	–	0.0	0.0	–	0.0	–	–
110.0	80.0	–	–	2.9	–	–	–	0.0	0.0	–	0.0	–	–
113.0	60.0	–	0.0	0.0	–	13.2	–	0.0	0.0	–	0.0	–	–
113.0	70.0	–	–	3.0	–	0.0	–	0.0	0.0	–	0.0	–	–
117.0	60.0	–	3.0	0.0	–	–	–	0.0	0.0	–	0.0	–	–
117.0	80.0	–	–	5.8	–	–	–	0.0	0.0	–	0.0	–	–
120.0	60.0	–	2.9	0.0	–	0.0	–	0.0	0.0	–	0.0	–	–
120.0	70.0	–	–	0.0	–	3.2	–	0.0	0.0	–	0.0	–	–
120.0	80.0	–	–	2.8	–	–	–	0.0	0.0	–	0.0	–	–
123.0	60.0	–	0.0	0.0	–	0.0	–	–	0.0	–	6.2	–	–
130.0	60.0	–	0.0	–	2.8	0.0	–	–	0.0	–	0.0	–	–
133.0	50.0	–	0.0	–	2.8	–	–	–	0.0	–	0.0	–	–
137.0	40.0	–	0.0	–	2.9	–	–	–	11.0	–	0.0	–	–

TABLE 4. (cont.)

Protomyctophum crockeri

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	52.0	–	0.0	–	0.0	–	–	–	0.0	–	–	12.8	–
60.0	65.0	–	0.0	–	–	0.0	–	–	23.4	–	–	0.0	–
60.0	70.0	–	0.0	–	–	0.0	–	–	11.7	–	–	0.0	–
60.0	80.0	–	–	–	–	25.2	–	–	0.0	–	–	–	–
60.0	90.0	–	–	–	–	4.1	–	–	0.0	–	–	–	–
63.0	60.0	–	11.3	–	5.0	–	–	–	0.0	–	–	12.6	–
63.0	65.0	–	34.9	–	9.7	–	–	–	–	–	–	0.0	–
63.0	90.0	–	–	–	–	11.8	–	–	–	–	–	–	–
67.0	60.0	–	0.0	–	0.0	–	–	–	0.0	–	–	11.3	–
67.0	65.0	–	32.8	–	0.0	–	–	–	–	–	–	0.0	–
67.0	70.0	–	0.0	–	12.2	–	–	–	–	–	–	0.0	–
67.0	80.0	–	12.1	–	0.0	–	–	–	–	–	–	–	–
67.0	90.0	–	–	–	2.8	–	–	–	–	–	–	–	–
70.0	53.0	–	11.2	–	5.2	–	0.0	–	0.0	–	–	0.0	–
70.0	60.0	–	0.0	–	6.3	–	0.0	–	0.0	–	–	0.0	–
70.0	65.0	–	11.7	–	11.3	–	–	–	11.2	–	–	0.0	–
70.0	70.0	–	0.0	–	7.0	–	0.0	–	0.0	–	–	0.0	–
70.0	80.0	–	0.0	–	0.0	–	0.0	–	10.6	–	–	0.0	–
70.0	90.0	–	–	–	8.6	–	5.9	–	2.7	–	–	2.9	–
73.0	53.0	–	0.0	–	0.0	0.0	3.2	–	0.0	–	–	0.0	–
73.0	60.0	–	23.0	–	0.0	0.0	0.0	–	0.0	–	–	12.3	–
73.0	65.0	–	0.0	–	0.0	0.0	0.0	–	0.0	–	–	22.8	–
73.0	70.0	–	24.1	–	0.0	22.1	0.0	–	0.0	–	–	11.2	–
73.0	80.0	–	11.1	–	–	0.0	0.0	–	0.0	–	–	0.0	–
73.0	90.0	–	–	–	–	0.0	9.4	–	3.0	–	–	11.7	–
77.0	60.0	–	11.5	–	0.0	0.0	0.0	–	0.0	–	–	0.0	–
77.0	65.0	–	11.0	–	0.0	45.8	0.0	–	0.0	–	–	11.4	–
77.0	70.0	–	0.0	–	25.0	0.0	0.0	–	0.0	–	–	0.0	–
77.0	80.0	–	0.0	–	–	0.0	13.6	–	0.0	–	–	11.4	–
77.0	90.0	–	–	–	–	20.4	0.0	–	5.0	–	–	14.1	–
80.0	51.0	–	0.0	0.0	–	0.0	0.0	–	0.0	–	–	2.6	–
80.0	52.0	–	14.5	0.0	–	11.0	0.0	–	0.0	–	–	0.0	–
80.0	55.0	–	0.0	0.0	–	0.0	13.0	–	0.0	–	–	11.4	–
80.0	60.0	–	11.1	0.0	–	0.0	0.0	–	12.7	–	–	0.0	–
80.0	70.0	–	0.0	11.0	–	0.0	0.0	–	0.0	–	–	0.0	–
80.0	80.0	–	0.0	25.0	–	11.6	0.0	–	0.0	–	–	0.0	–
80.0	90.0	–	0.0	28.7	–	6.0	17.2	–	0.0	–	–	2.5	–
81.5	45.0	25.9	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	–
81.5	46.0	0.0	–	13.3	–	0.0	0.0	–	0.0	–	0.0	–	–
83.0	42.0	0.0	–	12.7	–	0.0	0.0	–	0.0	–	0.0	–	0.0
83.0	43.0	25.3	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	0.0
83.0	48.0	0.0	–	12.0	–	0.0	0.0	–	0.0	–	0.0	–	0.0
83.0	51.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	3.2	–	0.0
83.0	55.0	0.0	–	0.0	–	0.0	0.0	–	11.8	–	0.0	–	0.0
83.0	60.0	14.6	–	12.3	–	36.4	0.0	–	11.2	–	12.0	–	0.0
83.0	70.0	0.0	–	24.1	–	0.0	12.5	–	0.0	–	–	–	–

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
83.0	80.0	21.0	-	0.0	-	6.3	5.4	-	2.7	-	2.8	-	-
83.0	90.0	-	10.6	0.0	-	2.9	3.0	-	2.9	-	0.0	-	-
85.0	40.0	12.2	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	-
87.0	45.0	0.0	-	13.5	-	0.0	0.0	-	0.0	-	0.0	-	13.0
87.0	55.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	12.9
87.0	60.0	0.0	-	-	-	0.0	0.0	-	0.0	-	0.0	-	15.9
87.0	70.0	0.0	-	16.7	-	3.2	9.0	-	2.9	-	2.8	-	-
87.0	80.0	10.5	-	5.5	-	0.0	0.0	-	3.2	-	12.1	-	-
87.0	90.0	21.8	-	3.1	-	5.7	0.0	-	9.3	-	5.5	-	-
88.5	33.0	-	0.0	-	-	0.0	0.0	-	0.0	-	0.0	-	13.2
90.0	29.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	11.9	-	0.0
90.0	30.0	-	0.0	0.0	-	13.8	0.0	0.0	-	-	0.0	-	13.2
90.0	31.0	-	0.0	10.4	-	0.0	12.4	0.0	-	-	0.0	-	0.0
90.0	32.0	-	0.0	12.1	-	0.0	0.0	0.0	-	-	0.0	-	0.0
90.0	45.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-	11.3	0.0
90.0	60.0	5.9	-	6.3	-	0.0	3.5	8.5	-	-	-	11.6	-
90.0	70.0	12.4	-	3.0	-	0.0	5.7	3.1	-	-	-	2.8	-
90.0	80.0	7.1	-	0.0	-	15.9	0.0	0.0	-	-	-	24.9	-
90.0	90.0	2.7	-	17.2	-	15.5	0.0	2.9	-	-	-	8.0	-
90.0	100.0	8.6	-	8.8	-	-	-	-	-	-	-	-	-
91.5	30.0	-	0.0	0.0	-	0.0	0.0	3.0	-	-	0.0	-	0.0
93.0	28.0	-	12.3	12.3	-	0.0	0.0	0.0	-	-	0.0	-	0.0
93.0	29.0	-	0.0	0.0	-	0.0	3.2	0.0	-	-	0.0	-	0.0
93.0	30.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	2.8	-	12.0
93.0	35.0	12.6	-	0.0	-	27.8	12.6	0.0	-	-	0.0	-	11.1
93.0	40.0	11.6	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-	0.0
93.0	45.0	0.0	-	0.0	-	0.0	12.4	0.0	-	-	0.0	-	0.0
93.0	50.0	0.0	-	0.0	-	0.0	0.0	14.2	-	-	0.0	-	0.0
93.0	55.0	11.5	-	11.5	-	0.0	0.0	0.0	-	-	9.3	-	-
93.0	60.0	12.0	-	6.3	-	6.1	0.0	0.0	-	-	-	11.0	-
93.0	70.0	26.2	-	26.6	-	10.4	0.0	3.0	-	-	-	2.8	-
93.0	80.0	0.0	-	3.1	-	6.5	9.6	2.8	-	-	-	0.0	-
93.0	90.0	2.6	-	3.2	-	-	6.3	6.2	-	-	-	11.6	-
93.0	100.0	2.9	-	9.5	-	-	-	-	-	-	-	-	-
94.0	32.0	0.0	-	20.8	-	-	-	0.0	-	-	-	-	-
95.0	31.0	-	11.2	0.0	-	0.0	14.2	0.0	-	-	12.1	-	-
95.0	32.0	-	24.0	0.0	-	0.0	0.0	3.0	-	-	0.0	-	-
97.0	32.0	11.6	-	0.0	-	14.4	0.0	0.0	-	-	0.0	-	-
97.0	35.0	3.1	-	13.9	-	0.0	0.0	0.0	-	-	33.8	-	-
97.0	40.0	0.0	-	0.0	-	10.1	3.1	14.3	-	-	0.0	-	-
97.0	45.0	0.0	-	12.6	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	50.0	23.0	-	0.0	-	0.0	23.8	0.0	-	-	0.0	-	-
97.0	55.0	0.0	-	0.0	-	28.6	0.0	0.0	-	-	2.4	-	-
97.0	60.0	0.0	-	0.0	-	0.0	0.0	31.4	-	-	10.3	-	-
97.0	70.0	0.0	-	19.8	-	3.3	0.0	3.8	-	-	6.3	-	-
97.0	80.0	11.0	-	23.1	-	3.2	3.4	0.0	-	-	3.1	-	-

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
97.0	90.0	0.0	-	13.2	-	-	6.1	11.1	-	-	0.0	-	-
100.0	29.0	-	0.0	0.0	-	11.8	0.0	0.0	-	-	0.0	-	-
100.0	32.0	-	2.9	11.8	-	13.0	0.0	0.0	-	-	0.0	-	-
100.0	35.0	-	-	37.8	-	51.4	0.0	0.0	-	-	0.0	-	-
100.0	40.0	-	12.0	11.5	-	0.0	0.0	0.0	-	-	22.2	-	-
100.0	60.0	-	23.9	11.6	-	0.0	5.8	17.3	-	-	0.0	-	-
100.0	70.0	-	2.9	0.0	-	18.5	5.9	0.0	-	-	0.0	-	-
100.0	80.0	-	0.0	12.4	-	7.6	15.4	2.6	-	-	27.1	-	-
100.0	90.0	-	-	-	-	-	-	10.3	-	-	0.0	-	-
103.0	31.0	-	11.6	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
103.0	32.0	-	0.0	0.0	-	11.7	0.0	0.0	-	-	0.0	-	-
103.0	40.0	-	0.0	38.0	-	0.0	0.0	0.0	-	-	21.0	-	-
103.0	45.0	-	8.7	0.0	-	12.9	12.8	0.0	-	-	10.6	-	-
103.0	50.0	-	13.8	34.1	-	0.0	12.2	0.0	-	-	0.0	-	-
103.0	60.0	-	24.6	0.0	-	13.7	24.3	32.3	-	-	0.0	-	-
103.0	70.0	-	14.4	0.0	-	10.3	3.0	0.0	-	-	0.0	-	-
103.0	80.0	-	3.0	0.0	-	-	0.0	11.6	-	-	2.6	-	-
103.0	90.0	-	-	-	-	-	-	0.0	-	-	19.0	-	-
107.0	32.0	-	36.6	12.3	-	-	0.0	-	0.0	-	10.6	-	-
107.0	33.0	-	12.0	0.0	-	-	0.0	-	0.0	-	11.8	-	-
107.0	34.0	-	0.0	12.0	-	-	0.0	-	32.3	-	16.6	-	-
107.0	35.0	-	0.0	24.2	-	-	0.0	-	0.0	-	21.8	-	-
107.0	40.0	-	12.4	21.7	-	-	12.3	-	0.0	-	5.3	-	-
107.0	50.0	-	12.2	8.8	-	-	0.0	-	0.0	-	0.0	-	-
107.0	60.0	-	0.0	0.0	-	-	35.3	-	10.4	-	5.1	-	-
107.0	70.0	-	-	26.1	-	-	66.0	8.6	-	-	0.0	-	-
107.0	80.0	-	-	0.0	-	-	2.7	0.0	-	-	2.6	-	-
107.0	90.0	-	-	-	-	-	-	0.0	-	-	2.8	-	-
110.0	32.4	-	0.0	0.0	-	12.3	-	0.0	-	-	0.0	-	-
110.0	34.0	-	23.4	11.2	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	35.0	-	33.5	34.1	-	0.0	-	11.9	10.8	-	2.9	-	-
110.0	40.0	-	0.0	10.8	-	28.6	-	0.0	46.8	-	2.9	-	-
110.0	45.0	-	0.0	24.6	-	0.0	-	0.0	0.0	-	8.8	-	-
110.0	50.0	-	0.0	34.0	-	0.0	-	0.0	9.9	-	0.0	-	-
110.0	55.0	-	0.0	21.6	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	60.0	-	0.0	11.8	-	13.3	-	0.0	0.0	-	0.0	-	-
110.0	70.0	-	-	21.0	-	-	-	25.8	2.6	-	0.0	-	-
110.0	80.0	-	-	23.0	-	-	-	3.1	8.7	-	0.0	-	-
113.0	32.0	-	10.8	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	35.0	-	0.0	0.0	-	3.3	-	0.0	0.0	-	0.0	-	-
113.0	40.0	-	0.0	12.8	-	0.0	-	0.0	56.0	-	11.5	-	-
113.0	45.0	-	3.1	11.6	-	30.3	-	0.0	23.0	-	0.0	-	-
113.0	50.0	-	0.0	0.0	-	60.0	-	0.0	11.3	-	5.6	-	-
113.0	60.0	-	0.0	11.5	-	52.8	-	24.4	0.0	-	11.2	-	-
113.0	70.0	-	-	9.0	-	4.1	-	0.0	7.6	-	0.0	-	-
113.0	80.0	-	-	25.9	-	-	-	0.0	6.9	-	6.1	-	-

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
117.0	35.0	-	0.0	0.0	-	-	-	11.3	0.0	-	0.0	-	-
117.0	40.0	-	0.0	24.9	-	-	-	0.0	22.2	-	0.0	-	-
117.0	45.0	-	0.0	0.0	-	-	-	0.0	11.8	-	0.0	-	-
117.0	50.0	-	0.0	11.7	-	-	-	11.7	7.8	-	0.0	-	-
117.0	60.0	-	3.0	14.1	-	-	-	2.9	5.5	-	0.0	-	-
117.0	70.0	-	-	11.1	-	-	-	9.2	27.1	-	0.0	-	-
117.0	80.0	-	-	20.3	-	-	-	5.5	5.6	-	0.0	-	-
120.0	45.0	-	0.0	0.0	-	0.0	-	0.0	10.5	-	0.0	-	-
120.0	50.0	-	0.0	2.8	-	0.0	-	0.0	10.4	-	0.0	-	-
120.0	60.0	-	0.0	0.0	-	0.0	-	0.0	11.1	-	0.0	-	-
120.0	70.0	-	-	8.6	-	3.2	-	0.0	2.7	-	6.0	-	-
120.0	80.0	-	-	16.6	-	-	-	3.1	2.6	-	0.0	-	-
123.0	42.0	-	23.7	-	0.0	0.0	-	-	0.0	-	0.0	-	-
123.0	50.0	-	0.0	22.8	-	0.0	-	-	21.8	-	0.0	-	-
123.0	60.0	-	0.0	12.4	-	0.0	-	-	11.4	-	6.2	-	-
127.0	35.0	-	0.0	-	2.7	-	-	-	0.0	-	0.0	-	-
127.0	45.0	-	12.5	-	0.0	-	-	-	21.8	-	0.0	-	-
127.0	50.0	-	0.0	-	0.0	-	-	-	10.2	-	11.8	-	-
127.0	60.0	-	0.0	-	11.2	-	-	-	0.0	-	0.0	-	-
133.0	35.0	-	0.0	-	0.0	-	-	-	3.4	-	0.0	-	-

Symbolophorus californiensis

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
77.0	80.0	-	0.0	-	-	22.6	0.0	-	0.0	-	-	0.0	-
77.0	90.0	-	-	-	-	26.3	3.0	-	0.0	-	-	2.8	-
80.0	80.0	-	0.0	0.0	-	11.6	0.0	-	0.0	-	-	0.0	-
80.0	90.0	-	0.0	0.0	-	17.9	2.9	-	0.0	-	-	0.0	-
83.0	80.0	0.0	-	0.0	-	9.5	0.0	-	0.0	-	2.8	-	-
83.0	90.0	-	10.6	0.0	-	2.9	0.0	-	5.9	-	0.0	-	-
87.0	60.0	0.0	-	-	-	0.0	0.0	-	0.0	-	0.0	-	3.2
87.0	80.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	3.0	-	-
87.0	90.0	0.0	-	3.1	-	0.0	0.0	-	9.3	-	0.0	-	-
90.0	45.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-	0.0	12.2
90.0	60.0	2.9	-	0.0	-	0.0	0.0	2.8	-	-	-	0.0	-
90.0	70.0	0.0	-	3.0	-	0.0	0.0	0.0	-	-	-	0.0	-
90.0	80.0	10.7	-	2.9	-	0.0	2.9	2.9	-	-	-	13.9	-
90.0	90.0	2.7	-	0.0	-	15.5	3.0	2.9	-	-	-	21.4	-
90.0	100.0	8.6	-	2.9	-	-	-	-	-	-	-	-	-
93.0	60.0	0.0	-	0.0	-	0.0	0.0	2.9	-	-	-	0.0	-
93.0	70.0	0.0	-	0.0	-	0.0	0.0	3.0	-	-	-	0.0	-
93.0	80.0	0.0	-	0.0	-	6.5	22.5	2.8	-	-	-	2.6	-
93.0	90.0	2.6	-	0.0	-	-	22.1	3.1	-	-	-	0.0	-
93.0	100.0	31.8	-	0.0	-	-	-	-	-	-	-	-	-
97.0	40.0	0.0	-	0.0	-	3.4	6.2	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Symbolophorus californiensis (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
97.0	50.0	0.0	-	0.0	-	0.0	0.0	8.8	-	-	0.0	-	-
97.0	55.0	0.0	-	0.0	-	0.0	0.0	21.2	-	-	2.4	-	-
97.0	70.0	11.3	-	0.0	-	0.0	6.1	0.0	-	-	0.0	-	-
97.0	80.0	2.8	-	2.9	-	0.0	13.5	0.0	-	-	0.0	-	-
97.0	90.0	0.0	-	0.0	-	-	3.0	2.8	-	-	14.7	-	-
100.0	30.0	-	-	11.9	-	0.0	0.0	-	-	-	0.0	-	-
100.0	31.0	-	0.0	12.3	-	0.0	0.0	0.0	-	-	0.0	-	-
100.0	50.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	11.0	-	-
100.0	60.0	-	0.0	0.0	-	0.0	2.9	2.9	-	-	2.7	-	-
100.0	70.0	-	5.9	23.4	-	11.1	8.9	0.0	-	-	0.0	-	-
100.0	80.0	-	0.0	21.6	-	41.8	12.3	0.0	-	-	8.1	-	-
100.0	90.0	-	-	-	-	-	-	10.3	-	-	2.7	-	-
103.0	35.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	11.5	-	-
103.0	40.0	-	0.0	0.0	-	0.0	0.0	12.6	-	-	0.0	-	-
103.0	45.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	10.6	-	-
103.0	50.0	-	0.0	0.0	-	0.0	12.2	0.0	-	-	21.6	-	-
103.0	60.0	-	0.0	0.0	-	13.7	0.0	10.8	-	-	8.1	-	-
103.0	70.0	-	14.4	18.9	-	0.0	0.0	2.5	-	-	3.8	-	-
103.0	80.0	-	0.0	5.9	-	-	0.0	0.0	-	-	2.6	-	-
103.0	90.0	-	-	-	-	-	-	2.9	-	-	0.0	-	-
107.0	34.0	-	0.0	0.0	-	-	0.0	-	0.0	-	5.5	-	-
107.0	35.0	-	0.0	12.1	-	-	0.0	-	0.0	-	0.0	-	-
107.0	40.0	-	0.0	0.0	-	-	0.0	-	0.0	-	2.6	-	-
107.0	50.0	-	0.0	2.9	-	-	0.0	-	10.0	-	5.4	-	-
107.0	60.0	-	0.0	0.0	-	-	0.0	-	0.0	-	7.7	-	-
107.0	70.0	-	-	5.2	-	-	11.5	8.6	-	-	2.5	-	-
107.0	80.0	-	-	0.0	-	-	2.7	0.0	-	-	0.0	-	-
110.0	34.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	5.2	-	-
110.0	35.0	-	11.2	0.0	-	13.6	-	11.9	0.0	-	0.0	-	-
110.0	40.0	-	0.0	21.6	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	50.0	-	5.7	0.0	-	0.0	-	0.0	29.8	-	0.0	-	-
110.0	60.0	-	0.0	0.0	-	13.3	-	0.0	0.0	-	0.0	-	-
110.0	70.0	-	-	0.0	-	-	-	3.2	2.6	-	0.0	-	-
110.0	80.0	-	-	2.9	-	-	-	0.0	2.9	-	0.0	-	-
113.0	35.0	-	0.0	0.0	-	0.0	-	11.6	0.0	-	0.0	-	-
113.0	40.0	-	0.0	0.0	-	0.0	-	12.6	0.0	-	0.0	-	-
113.0	50.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	5.6	-	-
113.0	60.0	-	0.0	0.0	-	0.0	-	12.2	0.0	-	0.0	-	-
113.0	70.0	-	-	0.0	-	0.0	-	3.0	2.5	-	0.0	-	-
113.0	80.0	-	-	2.9	-	-	-	0.0	4.6	-	0.0	-	-
117.0	30.0	-	0.0	0.0	-	-	-	0.0	0.0	-	2.4	-	-
117.0	40.0	-	0.0	0.0	-	-	-	0.0	11.1	-	0.0	-	-
117.0	60.0	-	3.0	0.0	-	-	-	0.0	0.0	-	0.0	-	-
117.0	70.0	-	-	11.1	-	-	-	0.0	2.7	-	0.0	-	-
117.0	80.0	-	-	11.6	-	-	-	0.0	0.0	-	2.3	-	-
118.0	39.0	-	0.0	0.0	-	-	-	0.0	0.0	-	10.0	-	-

TABLE 4. (cont.)

Symbolophorus californiensis (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
120.0	45.0	–	0.0	5.8	–	0.0	–	0.0	0.0	–	0.0	–	–
120.0	70.0	–	–	8.6	–	0.0	–	2.9	0.0	–	0.0	–	–
120.0	80.0	–	–	0.0	–	–	–	3.1	0.0	–	0.0	–	–
123.0	42.0	–	0.0	–	0.0	0.0	–	–	2.7	–	0.0	–	–
127.0	60.0	–	0.0	–	0.0	–	–	–	10.8	–	0.0	–	–
130.0	50.0	–	0.0	–	0.0	0.0	–	–	0.0	–	2.8	–	–

Tarletonbeania crenularis

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	52.0	–	0.0	–	2.5	–	–	–	0.0	–	–	25.6	–
60.0	55.0	–	14.4	–	0.0	–	–	–	0.0	–	–	0.0	–
60.0	60.0	–	22.2	–	0.0	–	–	–	22.8	–	–	92.7	–
60.0	65.0	–	36.4	–	–	0.0	–	–	58.6	–	–	0.0	–
60.0	70.0	–	21.2	–	–	45.1	–	–	23.4	–	–	22.4	–
60.0	90.0	–	–	–	–	0.0	–	–	11.8	–	–	–	–
63.0	55.0	–	0.0	–	5.0	–	–	–	0.0	–	–	0.0	–
63.0	60.0	–	56.6	–	6.2	–	–	–	32.9	–	–	63.2	–
63.0	65.0	–	0.0	–	19.4	–	–	–	–	–	–	24.9	–
63.0	70.0	–	–	–	–	10.1	–	–	–	–	–	21.0	–
63.0	72.0	–	23.4	–	–	–	–	–	–	–	–	–	–
63.0	90.0	–	–	–	–	3.0	–	–	–	–	–	–	–
66.0	49.0	–	–	–	0.0	–	–	–	0.0	–	–	12.3	–
67.0	49.0	–	10.9	–	–	–	–	–	–	–	–	–	–
67.0	50.0	–	0.0	–	6.3	–	–	–	0.0	–	–	10.5	–
67.0	55.0	–	–	–	18.6	–	–	–	10.2	–	–	11.6	–
67.0	56.0	–	10.8	–	–	–	–	–	–	–	–	–	–
67.0	60.0	–	14.7	–	5.8	–	–	–	13.6	–	–	34.0	–
67.0	65.0	–	32.8	–	23.5	–	–	–	–	–	–	11.0	–
67.0	70.0	–	0.0	–	14.7	–	–	–	–	–	–	10.9	–
67.0	80.0	–	0.0	–	45.4	–	–	–	–	–	–	–	–
67.0	90.0	–	–	–	5.7	–	–	–	–	–	–	–	–
70.0	51.0	–	12.1	–	5.2	–	0.0	–	0.0	–	–	21.3	–
70.0	53.0	–	11.2	–	43.7	–	11.6	–	0.0	–	–	23.2	–
70.0	60.0	–	0.0	–	25.4	–	0.0	–	36.7	–	–	10.1	–
70.0	65.0	–	23.4	–	29.3	–	–	–	22.3	–	–	143.5	–
70.0	70.0	–	0.0	–	17.4	–	0.0	–	46.9	–	–	21.4	–
70.0	80.0	–	0.0	–	10.6	–	22.8	–	0.0	–	–	0.0	–
70.0	90.0	–	–	–	2.9	–	14.9	–	2.7	–	–	5.8	–
73.0	50.0	–	0.0	–	0.0	–	0.0	–	2.4	–	–	0.0	–
73.0	53.0	–	12.4	–	0.0	11.6	12.6	–	2.0	–	–	0.0	–
73.0	60.0	–	11.5	–	32.0	40.0	12.0	–	0.0	–	–	0.0	–
73.0	65.0	–	0.0	–	23.4	0.0	18.9	–	22.3	–	–	11.4	–
73.0	70.0	–	0.0	–	0.0	11.0	0.0	–	22.6	–	–	22.5	–
73.0	80.0	–	0.0	–	–	21.8	37.4	–	12.2	–	–	0.0	–

TABLE 4. (cont.)

Tarletonbeania crenularis (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
73.0	90.0	–	–	–	–	11.1	15.6	–	6.0	–	–	38.0	–
77.0	51.0	–	0.0	–	0.0	11.1	12.2	–	–	–	–	35.3	–
77.0	55.0	–	–	–	33.4	0.0	35.4	–	0.0	–	–	0.0	–
77.0	60.0	–	0.0	–	0.0	0.0	0.0	–	0.0	–	–	10.7	–
77.0	65.0	–	0.0	–	34.1	22.9	22.3	–	0.0	–	–	0.0	–
77.0	70.0	–	12.8	–	12.5	0.0	50.6	–	0.0	–	–	0.0	–
77.0	80.0	–	0.0	–	–	0.0	13.6	–	43.0	–	–	34.1	–
77.0	90.0	–	–	–	–	5.8	6.0	–	10.0	–	–	0.0	–
80.0	52.0	–	43.6	0.0	–	0.0	0.0	–	0.0	–	–	0.0	–
80.0	54.0	–	12.2	0.0	–	0.0	0.0	–	0.0	–	–	12.2	–
80.0	55.0	–	0.0	46.7	–	0.0	0.0	–	31.7	–	–	0.0	–
80.0	60.0	–	11.1	11.3	–	11.6	0.0	–	12.7	–	–	0.0	–
80.0	70.0	–	0.0	11.0	–	21.4	13.0	–	0.0	–	–	21.8	–
80.0	90.0	–	0.0	16.0	–	0.0	8.6	–	0.0	–	–	5.0	–
81.5	46.0	13.8	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	–
83.0	39.4	0.0	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	1.3
83.0	40.6	0.0	–	2.3	–	0.0	0.0	–	0.0	–	0.0	–	–
83.0	42.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	11.2	–	0.0
83.0	43.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	23.5	–	0.0
83.0	44.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	12.7
83.0	45.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	11.8
83.0	48.0	0.0	–	0.0	–	11.0	0.0	–	0.0	–	23.1	–	0.0
83.0	51.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	3.2	–	38.8
83.0	55.0	23.1	–	0.0	–	10.6	11.3	–	0.0	–	25.3	–	23.8
83.0	60.0	0.0	–	12.3	–	48.5	11.9	–	11.2	–	23.9	–	58.0
83.0	70.0	0.0	–	24.1	–	0.0	0.0	–	0.0	–	–	–	–
83.0	80.0	10.5	–	0.0	–	0.0	5.4	–	5.5	–	0.0	–	–
83.0	90.0	–	0.0	3.3	–	2.9	0.0	–	2.9	–	0.0	–	–
85.0	37.5	0.0	–	0.0	–	0.0	0.0	–	0.0	–	4.9	–	–
87.0	40.0	0.0	–	0.0	–	0.0	0.0	–	35.3	–	0.0	–	85.1
87.0	45.0	13.1	–	13.5	–	25.4	0.0	–	0.0	–	12.8	–	65.0
87.0	50.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	32.9
87.0	55.0	0.0	–	0.0	–	10.7	11.5	–	26.5	–	0.0	–	51.5
87.0	60.0	14.1	–	–	–	0.0	14.9	–	0.0	–	0.0	–	25.4
87.0	70.0	0.0	–	20.0	–	6.4	12.0	–	11.6	–	0.0	–	–
87.0	80.0	0.0	–	0.0	–	0.0	0.0	–	6.3	–	3.0	–	–
87.0	90.0	0.0	–	3.1	–	5.7	9.1	–	12.4	–	0.0	–	–
88.5	33.0	–	0.0	–	–	0.0	0.0	–	0.0	–	23.4	–	0.0
88.5	34.0	–	0.0	0.0	–	0.0	0.0	–	0.0	–	0.0	–	28.8
90.0	27.6	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.5	–	0.0
90.0	28.0	–	0.0	–	–	0.0	0.0	0.0	–	–	5.5	–	0.0
90.0	45.0	0.0	–	13.0	–	13.7	0.0	0.0	–	–	–	11.3	24.4
90.0	53.0	0.0	–	0.0	–	0.0	0.0	24.9	–	–	–	0.0	–
90.0	60.0	5.9	–	0.0	–	13.7	14.0	0.0	–	–	–	0.0	–
90.0	70.0	0.0	–	15.3	–	3.7	2.9	18.6	–	–	–	0.0	–
90.0	80.0	0.0	–	0.0	–	3.2	5.9	0.0	–	–	–	0.0	–

TABLE 4. (cont.)

Tarletonbeania crenularis (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
90.0	90.0	0.0	–	11.4	–	6.2	3.0	0.0	–	–	–	0.0	–
90.0	100.0	0.0	–	2.9	–	–	–	–	–	–	–	–	–
91.5	26.8	–	0.0	–	–	–	0.0	0.0	–	–	0.0	–	2.7
91.5	28.0	–	0.0	0.0	–	0.0	0.0	2.8	–	–	0.0	–	3.1
91.5	30.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	12.1	–	3.0
93.0	26.9	–	0.0	0.0	–	0.0	0.0	0.0	–	–	0.0	–	2.9
93.0	28.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.9	–	0.0
93.0	30.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	0.0	–	24.1
93.0	35.0	12.6	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	40.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	11.9
93.0	45.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	12.0
93.0	55.0	0.0	–	0.0	–	0.0	0.0	30.0	–	–	0.0	–	–
93.0	60.0	0.0	–	0.0	–	0.0	3.0	5.9	–	–	–	0.0	–
93.0	70.0	0.0	–	3.0	–	3.5	0.0	3.0	–	–	–	2.8	–
93.0	80.0	0.0	–	0.0	–	32.3	6.4	5.7	–	–	–	0.0	–
93.0	90.0	0.0	–	3.2	–	–	0.0	3.1	–	–	–	0.0	–
95.0	31.0	–	0.0	0.0	–	0.0	0.0	2.9	–	–	0.0	–	–
97.0	40.0	0.0	–	0.0	–	3.4	0.0	0.0	–	–	0.0	–	–
97.0	50.0	0.0	–	0.0	–	0.0	11.9	0.0	–	–	0.0	–	–
97.0	55.0	0.0	–	0.0	–	0.0	0.0	10.6	–	–	0.0	–	–
97.0	60.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	10.3	–	–
97.0	70.0	0.0	–	3.3	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	80.0	0.0	–	5.8	–	3.2	0.0	2.9	–	–	3.1	–	–
100.0	32.0	–	0.0	0.0	–	13.0	0.0	0.0	–	–	0.0	–	–
100.0	70.0	–	0.0	2.9	–	0.0	0.0	0.0	–	–	6.1	–	–
107.0	70.0	–	–	0.0	–	–	0.0	2.8	–	–	0.0	–	–

Synodus spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
90.0	27.6	–	0.0	0.0	–	0.0	0.0	0.0	–	–	10.0	–	0.0
90.0	28.0	–	0.0	–	–	0.0	0.0	0.0	–	–	8.2	–	0.0
90.0	29.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	11.9	–	0.0
91.5	29.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	0.0	–	3.2
93.0	26.7	–	0.0	0.0	–	0.0	0.0	–	–	–	0.0	–	2.3
93.0	28.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.9	–	0.0
93.0	35.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	11.0	–	0.0
95.0	29.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.0	–	–
97.0	28.8	0.0	–	0.0	–	0.0	0.0	0.0	–	–	6.6	–	–
97.0	30.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	9.4	–	–
97.0	32.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	11.4	–	–
97.0	45.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	2.6	–	–
100.0	31.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.8	–	–
113.0	80.0	–	–	0.0	–	–	–	0.0	0.0	–	9.1	–	–
117.0	25.0	–	0.0	0.0	–	–	–	0.0	0.0	–	4.2	–	–

TABLE 4. (cont.)

Synodus spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
117.0	28.0	-	2.8	0.0	-	-	-	0.0	0.0	-	0.0	-	-
117.0	80.0	-	-	0.0	-	-	-	0.0	0.0	-	2.3	-	-
118.0	39.0	-	0.0	0.0	-	-	-	0.0	0.0	-	10.0	-	-
120.0	25.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.4	-	-
120.0	30.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	7.5	-	-
120.0	35.0	-	0.0	0.0	-	0.0	-	0.0	10.6	-	2.1	-	-
120.0	40.0	-	4.6	0.0	-	0.0	-	0.0	0.0	-	3.9	-	-
120.0	45.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	13.0	-	-
120.0	60.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	11.3	-	-
123.0	35.7	-	0.0	-	0.0	0.0	-	-	0.0	-	2.1	-	-
123.0	36.0	-	2.5	-	0.0	0.0	-	-	0.0	-	0.0	-	-
123.0	38.0	-	0.0	-	0.0	0.0	-	-	0.0	-	9.4	-	-
123.0	42.0	-	0.0	-	0.0	0.0	-	-	0.0	-	10.8	-	-
123.0	45.0	-	0.0	0.0	-	0.0	-	-	0.0	-	47.2	-	-
123.0	50.0	-	0.0	0.0	-	0.0	-	-	0.0	-	76.7	-	-
127.0	33.0	-	0.0	-	0.0	-	-	-	0.0	-	11.1	-	-
127.0	34.0	-	2.8	-	0.0	-	-	-	0.0	-	32.3	-	-
127.0	35.0	-	0.0	-	0.0	-	-	-	0.0	-	14.2	-	-
127.0	36.0	-	3.0	-	0.0	-	-	-	0.0	-	0.0	-	-
130.0	27.0	-	0.0	-	0.0	0.0	-	-	0.0	-	2.1	-	-
130.0	28.0	-	0.0	-	0.0	0.0	-	-	0.0	-	2.1	-	-
130.0	29.0	-	0.0	-	0.0	0.0	-	-	0.0	-	2.2	-	-
133.0	20.6	-	0.0	-	0.0	-	-	-	0.0	-	36.1	-	-
133.0	21.0	-	42.0	-	0.0	-	-	-	0.0	-	12.3	-	-
133.0	22.0	-	0.0	-	0.0	-	-	-	0.0	-	1.9	-	-
133.0	60.0	-	0.0	-	0.0	-	-	-	0.0	-	3.1	-	-
137.0	20.7	-	0.0	-	0.0	-	-	-	0.0	-	1.9	-	-
137.0	22.0	-	10.9	-	0.0	-	-	-	0.0	-	2.1	-	-

Merluccius productus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	60.0	-	0.0	-	11.6	-	-	-	0.0	-	-	0.0	-
63.0	55.0	-	0.0	-	5.0	-	-	-	0.0	-	-	0.0	-
67.0	50.0	-	11.6	-	4.4	-	-	-	0.0	-	-	0.0	-
70.0	51.0	-	0.0	-	5.2	-	0.0	-	0.0	-	-	0.0	-
70.0	53.0	-	0.0	-	38.3	-	0.0	-	0.0	-	-	0.0	-
70.0	60.0	-	0.0	-	24.0	-	0.0	-	0.0	-	-	0.0	-
70.0	70.0	-	0.0	-	5.2	-	12.0	-	0.0	-	-	0.0	-
70.0	80.0	-	0.0	-	0.0	-	11.4	-	0.0	-	-	0.0	-
70.0	90.0	-	-	-	0.0	-	3.0	-	0.0	-	-	0.0	-
73.0	50.0	-	11.9	-	11.2	-	0.0	-	0.0	-	-	0.0	-
73.0	53.0	-	0.0	-	209.9	11.6	3.2	-	0.0	-	-	0.0	-
73.0	60.0	-	0.0	-	44.8	10.0	12.0	-	0.0	-	-	0.0	-
73.0	65.0	-	0.0	-	35.0	10.9	0.0	-	0.0	-	-	0.0	-

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
73.0	80.0	-	0.0	-	-	10.9	62.4	-	0.0	-	-	0.0	-
73.0	90.0	-	-	-	-	0.0	18.7	-	0.0	-	-	0.0	-
77.0	51.0	-	0.0	-	11.9	0.0	0.0	-	-	-	-	0.0	-
77.0	55.0	-	-	-	66.7	0.0	0.0	-	0.0	-	-	0.0	-
77.0	60.0	-	0.0	-	219.0	0.0	0.0	-	0.0	-	-	0.0	-
77.0	65.0	-	0.0	-	68.2	0.0	11.2	-	0.0	-	-	0.0	-
77.0	90.0	-	-	-	-	0.0	3.0	-	0.0	-	-	0.0	-
80.0	50.1	-	0.0	1.8	-	0.0	0.0	-	0.0	-	-	0.0	-
80.0	51.0	-	0.0	28.3	-	0.0	0.0	-	0.0	-	-	5.2	-
80.0	52.0	-	0.0	9.9	-	11.0	0.0	-	0.0	-	-	33.0	-
80.0	53.0	-	0.0	92.2	-	0.0	0.0	-	0.0	-	-	0.0	-
80.0	54.0	-	24.3	82.8	-	0.0	0.0	-	0.0	-	-	0.0	-
80.0	55.0	-	12.4	490.6	-	11.7	0.0	-	0.0	-	-	0.0	-
80.0	60.0	-	0.0	2037.6	-	0.0	0.0	-	0.0	-	-	0.0	-
80.0	90.0	-	0.0	0.0	-	3.0	0.0	-	0.0	-	-	0.0	-
81.5	43.5	0.0	-	0.0	-	0.0	0.0	-	0.0	-	2.6	-	-
81.5	44.0	0.0	-	13.3	-	0.0	0.0	-	0.0	-	8.7	-	-
81.5	44.5	6.1	-	17.7	-	0.0	0.0	-	0.0	-	14.9	-	-
81.5	45.0	25.9	-	24.1	-	21.2	0.0	-	0.0	-	0.0	-	-
81.5	46.0	41.5	-	13.3	-	0.0	0.0	-	0.0	-	21.1	-	-
81.5	47.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	11.4	-	-
83.0	40.6	0.0	-	18.2	-	0.0	0.0	-	0.0	-	2.6	-	-
83.0	41.0	0.0	-	37.0	-	12.1	0.0	-	0.0	-	0.0	-	8.6
83.0	42.0	12.6	-	76.1	-	10.4	0.0	-	0.0	-	0.0	-	13.6
83.0	43.0	12.6	-	12.6	-	15.5	0.0	-	0.0	-	0.0	-	13.5
83.0	44.0	0.0	-	25.2	-	72.0	0.0	-	0.0	-	0.0	-	0.0
83.0	44.7	0.0	-	5.4	-	21.8	0.0	-	0.0	-	0.0	-	-
83.0	45.0	3.0	-	31.1	-	51.2	0.0	-	0.0	-	10.4	-	0.0
83.0	48.0	0.0	-	83.7	-	44.0	0.0	-	0.0	-	0.0	-	0.0
83.0	49.0	0.0	-	6.3	-	0.0	0.0	-	0.0	-	0.0	-	0.0
83.0	50.0	0.0	-	31.7	-	0.0	0.0	-	0.0	-	0.0	-	2.4
83.0	51.0	0.0	-	35.3	-	86.8	0.0	-	0.0	-	0.0	-	51.7
83.0	55.0	0.0	-	183.1	-	31.7	0.0	-	0.0	-	0.0	-	11.9
83.0	60.0	0.0	-	2242.2	-	36.4	0.0	-	0.0	-	0.0	-	0.0
83.0	70.0	0.0	-	252.8	-	11.4	12.5	-	0.0	-	-	-	-
83.0	80.0	0.0	-	9.0	-	0.0	2.7	-	0.0	-	0.0	-	-
83.0	90.0	-	0.0	6.6	-	2.9	5.9	-	0.0	-	0.0	-	-
85.0	37.2	-	0.0	2.5	-	0.0	0.0	-	0.0	-	0.0	-	-
85.0	37.5	0.0	-	0.0	-	0.0	0.0	-	0.0	-	2.4	-	-
85.0	38.0	0.0	-	25.8	-	26.2	0.0	-	0.0	-	0.0	-	-
85.0	39.0	0.0	-	53.9	-	24.8	0.0	-	0.0	-	0.0	-	-
85.0	40.0	0.0	-	180.9	-	73.4	0.0	-	0.0	-	0.0	-	-
87.0	34.0	-	0.0	0.0	-	9.7	0.0	-	0.0	-	0.0	-	0.0
87.0	35.0	-	0.0	0.0	-	22.8	0.0	-	0.0	-	0.0	-	10.2
87.0	36.0	-	0.0	12.2	-	13.0	0.0	-	0.0	-	0.0	-	0.0
87.0	40.0	0.0	-	204.0	-	89.0	0.0	-	0.0	-	0.0	-	12.2

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
87.0	45.0	0.0	-	81.1	-	0.0	0.0	-	0.0	-	0.0	-	26.0
87.0	50.0	0.0	-	135.4	-	34.4	0.0	-	0.0	-	0.0	-	0.0
87.0	55.0	0.0	-	175.8	-	10.7	0.0	-	0.0	-	0.0	-	0.0
87.0	60.0	0.0	-	-	-	25.4	0.0	-	0.0	-	0.0	-	0.0
87.0	70.0	0.0	-	11259.1	-	130.8	6.0	-	0.0	-	0.0	-	-
87.0	80.0	0.0	-	0.0	-	2.9	0.0	-	0.0	-	0.0	-	-
87.0	90.0	0.0	-	3.1	-	0.0	0.0	-	0.0	-	0.0	-	-
88.5	32.0	-	0.0	0.0	-	20.0	0.0	-	0.0	-	0.0	-	0.0
88.5	33.0	-	12.4	-	-	64.6	0.0	-	0.0	-	0.0	-	13.2
88.5	34.0	-	0.0	0.0	-	91.0	0.0	-	0.0	-	0.0	-	0.0
90.0	29.0	-	0.0	12.1	-	94.7	0.0	0.0	-	-	0.0	-	0.0
90.0	30.0	-	0.0	0.0	-	165.6	0.0	0.0	-	-	0.0	-	0.0
90.0	31.0	-	0.0	3.5	-	125.3	0.0	0.0	-	-	0.0	-	0.0
90.0	32.0	-	0.0	0.0	-	174.2	0.0	0.0	-	-	0.0	-	0.0
90.0	37.0	0.0	-	22.5	-	27.8	0.0	0.0	-	-	0.0	-	0.0
90.0	45.0	0.0	-	2890.1	-	82.1	0.0	0.0	-	-	-	0.0	0.0
90.0	53.0	0.0	-	48.8	-	13.4	0.0	0.0	-	-	-	0.0	-
90.0	60.0	0.0	-	1156.6	-	92.3	0.0	0.0	-	-	-	0.0	-
90.0	70.0	0.0	-	1897.1	-	1247.5	2.9	0.0	-	-	-	0.0	-
90.0	80.0	0.0	-	34.6	-	0.0	0.0	0.0	-	-	-	0.0	-
91.5	26.8	-	0.0	-	-	-	0.0	0.0	-	-	2.8	-	0.0
91.5	28.0	-	0.0	11.9	-	39.1	0.0	0.0	-	-	0.0	-	0.0
91.5	29.0	-	0.0	0.0	-	104.0	0.0	0.0	-	-	0.0	-	0.0
91.5	30.0	-	0.0	0.0	-	255.6	0.0	0.0	-	-	0.0	-	3.0
93.0	26.9	-	0.0	0.0	-	0.0	2.7	0.0	-	-	11.1	-	0.0
93.0	28.0	-	0.0	0.0	-	158.4	0.0	0.0	-	-	0.0	-	0.0
93.0	29.0	-	0.0	0.0	-	95.8	0.0	0.0	-	-	0.0	-	0.0
93.0	30.0	-	0.0	0.0	-	11.5	0.0	0.0	-	-	2.8	-	0.0
93.0	35.0	12.6	-	86.2	-	153.1	0.0	0.0	-	-	0.0	-	0.0
93.0	40.0	0.0	-	104.4	-	77.5	0.0	0.0	-	-	0.0	-	23.8
93.0	45.0	0.0	-	93.1	-	50.0	0.0	0.0	-	-	0.0	-	0.0
93.0	50.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-	37.7
93.0	55.0	0.0	-	11.5	-	26.9	0.0	0.0	-	-	0.0	-	-
93.0	60.0	0.0	-	68.9	-	510.7	0.0	0.0	-	-	-	0.0	-
93.0	70.0	0.0	-	14289.8	-	20.8	0.0	0.0	-	-	-	0.0	-
93.0	80.0	0.0	-	366.5	-	3672.5	0.0	0.0	-	-	-	0.0	-
93.0	90.0	0.0	-	298.1	-	-	0.0	0.0	-	-	-	0.0	-
95.0	28.0	-	0.0	0.0	-	23.2	0.0	0.0	-	-	0.0	-	-
95.0	29.0	-	0.0	0.0	-	111.6	0.0	0.0	-	-	0.0	-	-
95.0	30.0	-	0.0	12.6	-	357.5	0.0	0.0	-	-	0.0	-	-
95.0	31.0	-	0.0	0.0	-	344.0	0.0	0.0	-	-	0.0	-	-
95.0	32.0	-	0.0	37.7	-	263.7	0.0	0.0	-	-	0.0	-	-
97.0	28.8	0.0	-	0.0	-	11.8	0.0	0.0	-	-	0.0	-	-
97.0	29.0	0.0	-	2.5	-	26.3	0.0	0.0	-	-	0.0	-	-
97.0	30.0	0.0	-	0.0	-	103.3	0.0	0.0	-	-	0.0	-	-
97.0	31.0	0.0	-	0.0	-	532.0	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
97.0	32.0	0.0	-	0.0	-	447.6	0.0	0.0	-	-	0.0	-	-
97.0	35.0	0.0	-	27.8	-	421.1	0.0	0.0	-	-	0.0	-	-
97.0	40.0	0.0	-	0.0	-	2291.5	0.0	0.0	-	-	0.0	-	-
97.0	45.0	0.0	-	0.0	-	3250.8	0.0	0.0	-	-	0.0	-	-
97.0	50.0	0.0	-	0.0	-	202.2	0.0	0.0	-	-	0.0	-	-
97.0	55.0	0.0	-	0.0	-	728.3	0.0	0.0	-	-	0.0	-	-
97.0	60.0	0.0	-	110.7	-	286.9	0.0	0.0	-	-	0.0	-	-
97.0	70.0	0.0	-	283.8	-	1164.1	0.0	0.0	-	-	0.0	-	-
97.0	80.0	0.0	-	2.9	-	2146.1	0.0	0.0	-	-	0.0	-	-
97.0	90.0	0.0	-	3.3	-	-	0.0	0.0	-	-	0.0	-	-
100.0	29.0	-	0.0	0.0	-	118.4	0.0	0.0	-	-	0.0	-	-
100.0	30.0	-	-	11.9	-	160.3	0.0	-	-	-	0.0	-	-
100.0	31.0	-	0.0	0.0	-	193.1	0.0	0.0	-	-	0.0	-	-
100.0	32.0	-	0.0	0.0	-	247.0	0.0	0.0	-	-	0.0	-	-
100.0	35.0	-	-	0.0	-	398.0	0.0	0.0	-	-	0.0	-	-
100.0	40.0	-	0.0	91.8	-	1386.0	0.0	0.0	-	-	0.0	-	-
100.0	50.0	-	0.0	25.0	-	754.6	0.0	0.0	-	-	0.0	-	-
100.0	60.0	-	0.0	0.0	-	105.8	0.0	0.0	-	-	0.0	-	-
100.0	70.0	-	0.0	0.0	-	1107.0	0.0	0.0	-	-	0.0	-	-
100.0	80.0	-	0.0	0.0	-	83.6	0.0	0.0	-	-	0.0	-	-
103.0	28.8	-	0.0	0.0	-	42.0	0.0	0.0	-	-	0.0	-	-
103.0	29.0	-	0.0	0.0	-	109.2	0.0	0.0	-	-	0.0	-	-
103.0	30.0	-	0.0	32.4	-	350.4	0.0	0.0	-	-	0.0	-	-
103.0	31.0	-	0.0	53.2	-	151.3	0.0	0.0	-	-	0.0	-	-
103.0	32.0	-	0.0	213.1	-	773.5	0.0	0.0	-	-	0.0	-	-
103.0	35.0	-	0.0	149.3	-	1472.0	0.0	0.0	-	-	0.0	-	-
103.0	40.0	-	0.0	38.0	-	474.6	0.0	0.0	-	-	0.0	-	-
103.0	45.0	-	0.0	46.4	-	3580.6	12.8	0.0	-	-	0.0	-	-
103.0	50.0	-	0.0	0.0	-	852.0	0.0	0.0	-	-	0.0	-	-
107.0	32.0	-	0.0	24.6	-	-	12.3	-	0.0	-	0.0	-	-
107.0	33.0	-	0.0	12.0	-	-	0.0	-	0.0	-	0.0	-	-
110.0	32.4	-	0.0	9.7	-	110.5	-	0.0	-	-	0.0	-	-
110.0	33.0	-	0.0	33.4	-	65.2	-	0.0	0.0	-	0.0	-	-
110.0	34.0	-	0.0	0.0	-	908.2	-	0.0	0.0	-	0.0	-	-
110.0	35.0	-	0.0	0.0	-	732.2	-	0.0	0.0	-	0.0	-	-
110.0	40.0	-	0.0	0.0	-	756.8	-	0.0	0.0	-	0.0	-	-
110.0	45.0	-	0.0	0.0	-	4149.4	-	0.0	0.0	-	0.0	-	-
110.0	50.0	-	0.0	0.0	-	965.6	-	0.0	0.0	-	0.0	-	-
110.0	55.0	-	0.0	0.0	-	10.2	-	0.0	0.0	-	0.0	-	-
110.0	60.0	-	0.0	0.0	-	26.6	-	0.0	0.0	-	0.0	-	-
113.0	29.0	-	0.0	0.0	-	20.2	-	0.0	0.0	-	0.0	-	-
113.0	30.0	-	0.0	0.0	-	33.1	-	0.0	0.0	-	0.0	-	-
113.0	31.0	-	0.0	0.0	-	13.0	-	0.0	0.0	-	0.0	-	-
113.0	32.0	-	0.0	31.1	-	99.5	-	0.0	11.8	-	0.0	-	-
113.0	35.0	-	0.0	11.8	-	29.4	-	0.0	0.0	-	0.0	-	-
113.0	40.0	-	0.0	0.0	-	247.7	-	0.0	0.0	-	0.0	-	-

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
113.0	45.0	-	0.0	0.0	-	151.6	-	0.0	0.0	-	0.0	-	-
113.0	50.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.8	-	-
113.0	60.0	-	0.0	0.0	-	13.2	-	0.0	0.0	-	0.0	-	-
117.0	27.0	-	0.0	0.0	-	-	-	0.0	9.8	-	0.0	-	-
117.0	28.0	-	0.0	0.0	-	-	-	0.0	2.6	-	0.0	-	-
117.0	30.0	-	0.0	0.0	-	-	-	0.0	0.0	-	4.9	-	-
119.0	33.0	-	0.0	0.0	-	37.3	-	0.0	0.0	-	0.0	-	-
120.0	26.0	-	0.0	0.0	-	0.0	-	0.0	10.7	-	0.0	-	-
120.0	30.0	-	0.0	0.0	-	105.8	-	0.0	10.1	-	0.0	-	-
123.0	37.0	-	0.0	-	0.0	12.3	-	-	0.0	-	0.0	-	-
127.0	33.0	-	0.0	-	19.8	-	-	-	0.0	-	0.0	-	-
127.0	34.0	-	0.0	-	20.9	-	-	-	0.0	-	0.0	-	-
127.0	35.0	-	0.0	-	31.9	-	-	-	0.0	-	0.0	-	-
127.0	36.0	-	0.0	-	35.4	-	-	-	0.0	-	0.0	-	-
127.0	40.0	-	0.0	-	23.4	-	-	-	0.0	-	0.0	-	-
130.0	27.0	-	0.0	-	0.0	2.6	-	-	0.0	-	0.0	-	-
130.0	28.0	-	0.0	-	0.0	23.8	-	-	0.0	-	0.0	-	-
130.0	29.0	-	0.0	-	0.0	24.0	-	-	0.0	-	0.0	-	-
130.0	30.0	-	8.1	-	0.0	22.2	-	-	0.0	-	0.0	-	-
130.0	35.0	-	0.0	-	0.0	14.0	-	-	0.0	-	0.0	-	-
130.0	40.0	-	0.0	-	23.6	15.1	-	-	0.0	-	0.0	-	-
130.0	60.0	-	0.0	-	0.0	6.8	-	-	0.0	-	0.0	-	-
133.0	20.6	-	0.0	-	2.1	-	-	-	0.0	-	0.0	-	-
133.0	23.0	-	0.0	-	0.0	-	-	-	2.5	-	0.0	-	-
133.0	24.0	-	0.0	-	5.4	-	-	-	0.0	-	0.0	-	-
133.0	25.0	-	5.4	-	0.0	-	-	-	0.0	-	0.0	-	-
133.0	30.0	-	0.0	-	30.7	-	-	-	0.0	-	0.0	-	-
133.0	35.0	-	0.0	-	13.9	-	-	-	3.4	-	0.0	-	-
137.0	23.0	-	5.7	-	0.0	-	-	-	0.0	-	0.0	-	-
137.0	24.0	-	2.8	-	0.0	-	-	-	0.0	-	0.0	-	-
137.0	30.0	-	0.0	-	9.9	-	-	-	0.0	-	0.0	-	-
137.0	35.0	-	0.0	-	12.1	-	-	-	0.0	-	0.0	-	-

Macrouridae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
83.0	70.0	0.0	-	12.0	-	0.0	0.0	-	0.0	-	-	-	-
93.0	30.0	-	0.0	13.2	-	0.0	0.0	0.0	-	-	0.0	-	0.0
107.0	33.0	-	0.0	0.0	-	-	0.0	-	0.0	-	11.8	-	-

Ophidiiformes

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
73.0	53.0	-	0.0	-	0.0	0.0	0.0	-	7.8	-	-	0.0	-

TABLE 4. (cont.)

Ophidiiformes (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
73.0	60.0	-	0.0	-	0.0	0.0	0.0	-	11.6	-	-	0.0	-
77.0	51.0	-	0.0	-	0.0	0.0	12.2	-	-	-	-	0.0	-
77.0	80.0	-	0.0	-	-	0.0	0.0	-	14.3	-	-	0.0	-
80.0	53.0	-	0.0	0.0	-	0.0	11.8	-	0.0	-	-	0.0	-
80.0	54.0	-	0.0	0.0	-	0.0	11.6	-	0.0	-	-	0.0	-
87.0	60.0	0.0	-	-	-	0.0	44.8	-	0.0	-	0.0	-	0.0
91.5	30.0	-	0.0	0.0	-	14.2	11.7	0.0	-	-	0.0	-	0.0
93.0	30.0	-	0.0	0.0	-	0.0	0.0	11.0	-	-	0.0	-	0.0
95.0	32.0	-	0.0	0.0	-	0.0	13.9	0.0	-	-	0.0	-	-
97.0	40.0	0.0	-	0.0	-	0.0	3.1	0.0	-	-	0.0	-	-
100.0	31.0	-	0.0	0.0	-	0.0	11.8	0.0	-	-	0.0	-	-
113.0	45.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	11.3	-	-
120.0	40.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	1.9	-	-

Brosmophycis marginata

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
81.5	46.0	0.0	-	0.0	-	0.0	11.0	-	0.0	-	0.0	-	-
83.0	45.0	0.0	-	0.0	-	0.0	2.5	-	0.0	-	0.0	-	0.0
83.0	51.0	0.0	-	0.0	-	0.0	0.0	-	11.8	-	0.0	-	0.0
87.0	50.0	0.0	-	0.0	-	0.0	20.7	-	0.0	-	0.0	-	0.0
120.0	50.0	-	0.0	0.0	-	0.0	-	11.0	0.0	-	0.0	-	-

Chilara taylori

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
83.0	44.0	0.0	-	0.0	-	0.0	0.0	-	7.3	-	0.0	-	0.0
90.0	27.6	-	0.0	0.0	-	0.0	0.0	0.0	-	-	2.5	-	0.0
90.0	28.0	-	0.0	-	-	0.0	0.0	0.0	-	-	2.7	-	0.0
97.0	28.8	0.0	-	0.0	-	0.0	0.0	0.0	-	-	6.6	-	-
97.0	29.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	15.9	-	-
97.0	50.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	2.8	-	-
103.0	29.0	-	0.0	0.0	-	0.0	0.0	7.7	-	-	1.6	-	-
107.0	32.0	-	0.0	0.0	-	-	0.0	-	0.0	-	10.6	-	-
110.0	35.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.9	-	-
113.0	35.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	11.1	-	-
120.0	45.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	13.0	-	-
120.0	50.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	29.8	-	-
123.0	42.0	-	0.0	-	0.0	0.0	-	-	0.0	-	10.8	-	-
123.0	50.0	-	0.0	0.0	-	0.0	-	-	0.0	-	11.0	-	-
127.0	34.0	-	0.0	-	0.0	-	-	-	0.0	-	10.8	-	-
133.0	35.0	-	0.0	-	2.8	-	-	-	0.0	-	0.0	-	-

TABLE 4. (cont.)

Ophidion scrippsae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
85.0	37.5	0.0	–	0.0	–	0.0	0.0	–	0.0	–	2.4	–	–
97.0	29.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	8.0	–	–
100.0	30.0	–	–	0.0	–	0.0	0.0	–	–	–	6.1	–	–
103.0	30.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	17.0	–	–
110.0	32.4	–	0.0	0.0	–	0.0	–	26.2	–	–	0.0	–	–
110.0	34.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	2.6	–	–
110.0	35.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	2.9	–	–
113.0	35.0	–	0.0	0.0	–	0.0	–	11.6	0.0	–	0.0	–	–
120.0	24.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	7.7	–	–
120.0	30.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	10.0	–	–
120.0	40.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	1.9	–	–
127.0	35.0	–	0.0	–	0.0	–	–	–	0.0	–	14.2	–	–
130.0	25.6	–	2.3	–	0.0	0.0	–	–	0.0	–	0.0	–	–
130.0	26.0	–	0.0	–	0.0	0.0	–	–	0.0	–	2.2	–	–
130.0	27.0	–	0.0	–	0.0	0.0	–	–	0.0	–	2.1	–	–
130.0	29.0	–	2.8	–	0.0	0.0	–	–	0.0	–	0.0	–	–
133.0	20.6	–	2.3	–	0.0	–	–	–	0.0	–	5.2	–	–
133.0	21.0	–	2.2	–	0.0	–	–	–	0.0	–	20.0	–	–
133.0	22.0	–	5.0	–	0.0	–	–	–	0.0	–	0.0	–	–
133.0	23.0	–	0.0	–	0.0	–	–	–	0.0	–	2.7	–	–
133.0	24.0	–	2.5	–	0.0	–	–	–	0.0	–	0.0	–	–
137.0	22.0	–	0.0	–	0.0	–	–	–	0.0	–	4.1	–	–

Ceratioidei

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
83.0	90.0	–	0.0	0.0	–	0.0	0.0	–	0.0	–	2.8	–	–
90.0	90.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–	2.7	–
93.0	100.0	2.9	–	0.0	–	–	–	–	–	–	–	–	–
100.0	60.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.7	–	–
103.0	70.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	1.9	–	–
103.0	80.0	–	0.0	0.0	–	–	0.0	2.9	–	–	2.6	–	–
103.0	90.0	–	–	–	–	–	–	0.0	–	–	5.4	–	–
107.0	70.0	–	–	0.0	–	–	0.0	0.0	–	–	2.5	–	–
107.0	80.0	–	–	0.0	–	–	0.0	0.0	–	–	5.3	–	–
107.0	90.0	–	–	–	–	–	–	0.0	–	–	8.4	–	–
113.0	60.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	11.2	–	–

Gobiesocidae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
95.0	29.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.0	–	–
103.0	29.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	1.6	–	–
103.0	30.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	17.0	–	–

TABLE 4. (cont.)

Gobiesocidae (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
110.0	31.7	-	-	-	-	-	-	-	0.0	-	2.3	-	-
110.0	32.4	-	0.0	0.0	-	0.0	-	0.0	-	-	8.8	-	-
113.0	28.8	-	0.0	0.0	-	0.0	-	0.0	0.0	-	1.3	-	-
120.0	22.4	-	0.0	0.0	-	0.0	-	0.0	4.4	-	0.0	-	-
133.0	20.6	-	0.0	-	0.0	-	-	-	0.0	-	15.5	-	-
133.0	21.0	-	0.0	-	0.0	-	-	-	0.0	-	7.7	-	-
137.0	20.7	-	0.0	-	0.0	-	-	-	0.0	-	5.7	-	-

Exocoetidae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
130.0	40.0	-	0.0	-	0.0	0.0	-	-	11.6	-	0.0	-	-

Cololabis saira

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
83.0	90.0	-	10.6	0.0	-	0.0	0.0	-	0.0	-	0.0	-	-
85.0	39.0	0.0	-	0.0	-	0.0	12.9	-	0.0	-	0.0	-	-
93.0	90.0	0.0	-	0.0	-	-	0.0	3.1	-	-	-	0.0	-
97.0	45.0	0.0	-	0.0	-	0.0	11.6	0.0	-	-	0.0	-	-
103.0	70.0	-	0.0	0.0	-	0.0	3.0	0.0	-	-	0.0	-	-
110.0	70.0	-	-	3.0	-	-	-	0.0	0.0	-	0.0	-	-
113.0	35.0	-	0.0	0.0	-	0.0	-	11.6	0.0	-	0.0	-	-
133.0	35.0	-	0.0	-	0.0	-	-	-	3.4	-	0.0	-	-

Atherinidae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
63.0	55.0	-	0.0	-	5.4	-	-	-	0.0	-	-	0.0	-
81.5	43.5	0.0	-	0.0	-	0.0	0.0	-	2.0	-	0.0	-	-
91.5	26.8	-	0.0	-	-	-	3.0	0.0	-	-	0.0	-	0.0
93.0	26.9	-	0.0	0.0	-	0.0	5.3	0.0	-	-	0.0	-	0.0
95.0	28.0	-	0.0	0.0	-	0.0	35.0	3.9	-	-	0.0	-	-
97.0	29.0	0.0	-	0.0	-	13.2	0.0	0.0	-	-	0.0	-	-
110.0	33.0	-	2.7	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	28.8	-	4.1	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	22.4	-	4.8	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-

Trachipteridae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
67.0	60.0	-	14.7	-	0.0	-	-	-	0.0	-	-	0.0	-

TABLE 4. (cont.)

Trachipteridae (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
70.0	70.0	–	0.0	–	0.0	–	0.0	–	11.7	–	–	0.0	–
70.0	80.0	–	12.4	–	0.0	–	0.0	–	0.0	–	–	0.0	–
77.0	60.0	–	0.0	–	0.0	0.0	12.2	–	0.0	–	–	0.0	–
80.0	54.0	–	0.0	0.0	–	0.0	0.0	–	0.0	–	–	12.2	–
80.0	80.0	–	11.8	0.0	–	11.6	0.0	–	0.0	–	–	0.0	–
80.0	90.0	–	0.0	0.0	–	0.0	2.9	–	0.0	–	–	0.0	–
83.0	60.0	14.6	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	0.0
87.0	55.0	0.0	–	0.0	–	10.7	0.0	–	0.0	–	0.0	–	0.0
87.0	70.0	0.0	–	0.0	–	0.0	0.0	–	2.9	–	0.0	–	–
87.0	80.0	0.0	–	0.0	–	0.0	2.9	–	0.0	–	0.0	–	–
90.0	60.0	2.9	–	0.0	–	0.0	3.5	0.0	–	–	–	0.0	–
90.0	80.0	0.0	–	0.0	–	0.0	2.9	0.0	–	–	–	0.0	–
90.0	90.0	0.0	–	2.9	–	0.0	0.0	0.0	–	–	–	0.0	–
93.0	70.0	0.0	–	0.0	–	0.0	5.8	0.0	–	–	–	2.8	–
93.0	80.0	0.0	–	0.0	–	0.0	3.2	0.0	–	–	–	0.0	–
93.0	100.0	0.0	–	3.2	–	–	–	–	–	–	–	–	–
95.0	32.0	–	0.0	0.0	–	0.0	0.0	3.0	–	–	0.0	–	–
100.0	32.0	–	2.9	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
100.0	80.0	–	0.0	3.1	–	0.0	0.0	0.0	–	–	0.0	–	–
110.0	34.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	2.6	–	–
110.0	35.0	–	11.2	0.0	–	0.0	–	0.0	0.0	–	0.0	–	–

Melamphaes spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	60.0	–	0.0	–	11.6	–	–	–	0.0	–	–	0.0	–
60.0	90.0	–	–	–	–	2.1	–	–	0.0	–	–	–	–
63.0	60.0	–	0.0	–	5.0	–	–	–	0.0	–	–	0.0	–
63.0	90.0	–	–	–	–	3.0	–	–	–	–	–	–	–
67.0	80.0	–	0.0	–	11.4	–	–	–	–	–	–	–	–
70.0	60.0	–	0.0	–	0.0	–	0.0	–	12.2	–	–	0.0	–
70.0	65.0	–	0.0	–	6.2	–	–	–	0.0	–	–	0.0	–
70.0	70.0	–	0.0	–	7.0	–	0.0	–	0.0	–	–	0.0	–
73.0	53.0	–	0.0	–	0.0	0.0	6.3	–	0.0	–	–	0.0	–
73.0	60.0	–	0.0	–	0.0	0.0	12.0	–	0.0	–	–	0.0	–
73.0	70.0	–	0.0	–	0.0	0.0	38.8	–	0.0	–	–	0.0	–
73.0	80.0	–	0.0	–	–	0.0	12.5	–	0.0	–	–	0.0	–
73.0	90.0	–	–	–	–	0.0	9.4	–	0.0	–	–	0.0	–
77.0	60.0	–	0.0	–	12.9	0.0	0.0	–	0.0	–	–	0.0	–
77.0	65.0	–	0.0	–	0.0	22.9	0.0	–	0.0	–	–	0.0	–
77.0	70.0	–	0.0	–	0.0	32.6	12.6	–	0.0	–	–	0.0	–
77.0	80.0	–	0.0	–	–	11.3	0.0	–	0.0	–	–	0.0	–
77.0	90.0	–	–	–	–	14.6	9.1	–	0.0	–	–	2.8	–
80.0	60.0	–	0.0	0.0	–	0.0	12.2	–	38.2	–	–	0.0	–
80.0	70.0	–	0.0	0.0	–	10.7	0.0	–	0.0	–	–	0.0	–

TABLE 4. (cont.)

Melamphaes spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
80.0	90.0	-	12.1	0.0	-	11.9	0.0	-	0.0	-	-	0.0	-
83.0	80.0	0.0	-	0.0	-	3.2	0.0	-	0.0	-	0.0	-	-
83.0	90.0	-	10.6	0.0	-	2.9	0.0	-	5.9	-	0.0	-	-
87.0	60.0	0.0	-	-	-	0.0	14.9	-	0.0	-	0.0	-	0.0
87.0	70.0	0.0	-	0.0	-	0.0	6.0	-	0.0	-	0.0	-	-
87.0	80.0	0.0	-	2.8	-	0.0	0.0	-	0.0	-	0.0	-	-
87.0	90.0	0.0	-	0.0	-	2.8	0.0	-	6.2	-	5.5	-	-
90.0	27.6	-	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	2.4
90.0	30.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	13.2
90.0	60.0	0.0	-	0.0	-	0.0	3.5	0.0	-	-	-	0.0	-
90.0	70.0	0.0	-	0.0	-	0.0	2.9	3.1	-	-	-	0.0	-
90.0	80.0	0.0	-	0.0	-	3.2	0.0	2.9	-	-	-	5.5	-
90.0	90.0	0.0	-	2.9	-	6.2	0.0	2.9	-	-	-	0.0	-
91.5	26.5	-	0.0	0.0	-	0.0	2.2	-	-	-	0.0	-	0.0
93.0	45.0	0.0	-	11.6	-	0.0	12.4	0.0	-	-	0.0	-	0.0
93.0	50.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-	12.6
93.0	80.0	0.0	-	3.1	-	6.5	0.0	2.8	-	-	-	0.0	-
93.0	90.0	0.0	-	0.0	-	-	3.2	3.1	-	-	-	0.0	-
93.0	100.0	0.0	-	3.2	-	-	-	-	-	-	-	-	-
97.0	40.0	0.0	-	0.0	-	3.4	0.0	0.0	-	-	0.0	-	-
97.0	50.0	0.0	-	0.0	-	13.5	11.9	0.0	-	-	0.0	-	-
97.0	55.0	0.0	-	0.0	-	0.0	0.0	10.6	-	-	0.0	-	-
97.0	70.0	0.0	-	9.9	-	9.8	9.1	3.8	-	-	0.0	-	-
97.0	80.0	0.0	-	0.0	-	12.7	6.7	0.0	-	-	0.0	-	-
97.0	90.0	0.0	-	6.6	-	-	0.0	2.8	-	-	0.0	-	-
100.0	30.0	-	-	0.0	-	13.4	0.0	-	-	-	0.0	-	-
100.0	40.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	11.1	-	-
100.0	60.0	-	0.0	0.0	-	0.0	2.9	2.9	-	-	2.7	-	-
100.0	70.0	-	0.0	8.8	-	3.7	3.0	0.0	-	-	0.0	-	-
100.0	80.0	-	0.0	15.4	-	11.4	3.1	2.6	-	-	0.0	-	-
103.0	50.0	-	0.0	34.1	-	14.4	0.0	0.0	-	-	10.8	-	-
103.0	60.0	-	0.0	0.0	-	0.0	0.0	10.8	-	-	0.0	-	-
103.0	70.0	-	2.9	3.2	-	0.0	0.0	2.5	-	-	1.9	-	-
103.0	90.0	-	-	-	-	-	-	5.7	-	-	5.4	-	-
107.0	35.0	-	0.0	0.0	-	-	12.6	-	0.0	-	0.0	-	-
107.0	50.0	-	0.0	0.0	-	-	11.6	-	0.0	-	2.7	-	-
107.0	60.0	-	18.2	0.0	-	-	0.0	-	0.0	-	0.0	-	-
107.0	70.0	-	-	0.0	-	-	5.7	0.0	-	-	2.5	-	-
107.0	80.0	-	-	0.0	-	-	2.7	0.0	-	-	2.6	-	-
110.0	34.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.6	-	-
110.0	35.0	-	11.2	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	50.0	-	2.8	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	55.0	-	0.0	10.8	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	70.0	-	-	0.0	-	-	-	19.3	0.0	-	0.0	-	-
110.0	80.0	-	-	2.9	-	-	-	0.0	0.0	-	0.0	-	-
113.0	35.0	-	0.0	0.0	-	0.0	-	11.6	0.0	-	0.0	-	-

TABLE 4. (cont.)

Melamphaes spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
113.0	50.0	–	3.0	0.0	–	0.0	–	0.0	11.3	–	2.8	–	–
113.0	60.0	–	0.0	0.0	–	13.2	–	0.0	0.0	–	0.0	–	–
113.0	70.0	–	–	0.0	–	0.0	–	0.0	7.6	–	5.7	–	–
113.0	80.0	–	–	0.0	–	–	–	0.0	2.3	–	0.0	–	–
117.0	40.0	–	0.0	0.0	–	–	–	12.2	0.0	–	0.0	–	–
117.0	45.0	–	0.0	0.0	–	–	–	0.0	3.0	–	0.0	–	–
117.0	50.0	–	0.0	0.0	–	–	–	11.7	2.6	–	0.0	–	–
117.0	60.0	–	0.0	2.8	–	–	–	0.0	0.0	–	0.0	–	–
117.0	70.0	–	–	5.5	–	–	–	6.1	8.1	–	0.0	–	–
117.0	80.0	–	–	5.8	–	–	–	2.7	5.6	–	7.0	–	–
120.0	45.0	–	0.0	2.9	–	0.0	–	0.0	0.0	–	0.0	–	–
120.0	60.0	–	2.9	0.0	–	0.0	–	0.0	0.0	–	0.0	–	–
120.0	70.0	–	–	0.0	–	3.2	–	2.9	0.0	–	0.0	–	–
120.0	80.0	–	–	0.0	–	–	–	6.3	2.6	–	0.0	–	–
123.0	50.0	–	0.0	11.4	–	0.0	–	–	0.0	–	0.0	–	–
127.0	36.0	–	0.0	–	0.0	–	–	–	0.0	–	9.3	–	–
127.0	45.0	–	0.0	–	11.8	–	–	–	0.0	–	0.0	–	–
127.0	60.0	–	11.8	–	0.0	–	–	–	10.8	–	0.0	–	–
130.0	50.0	–	0.0	–	0.0	0.0	–	–	2.6	–	0.0	–	–
133.0	40.0	–	0.0	–	0.0	–	–	–	2.7	–	0.0	–	–
137.0	60.0	–	0.0	–	2.9	–	–	–	0.0	–	0.0	–	–

Poromitra spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
87.0	90.0	0.0	–	0.0	–	2.8	0.0	–	0.0	–	0.0	–	–
90.0	90.0	0.0	–	0.0	–	0.0	3.0	2.9	–	–	–	0.0	–
90.0	100.0	0.0	–	5.8	–	–	–	–	–	–	–	–	–
97.0	70.0	0.0	–	0.0	–	0.0	3.0	0.0	–	–	0.0	–	–
97.0	90.0	0.0	–	0.0	–	–	3.0	0.0	–	–	0.0	–	–
100.0	50.0	–	0.0	0.0	–	0.0	12.8	0.0	–	–	0.0	–	–
100.0	60.0	–	0.0	0.0	–	0.0	2.9	0.0	–	–	0.0	–	–
100.0	70.0	–	0.0	0.0	–	11.1	0.0	0.0	–	–	0.0	–	–
100.0	80.0	–	0.0	0.0	–	11.4	0.0	0.0	–	–	0.0	–	–
100.0	90.0	–	–	–	–	–	–	2.6	–	–	0.0	–	–
107.0	35.0	–	0.0	0.0	–	–	12.6	–	0.0	–	0.0	–	–
107.0	70.0	–	–	0.0	–	–	2.9	0.0	–	–	0.0	–	–
110.0	35.0	–	0.0	0.0	–	0.0	–	0.0	10.8	–	0.0	–	–
110.0	80.0	–	–	0.0	–	–	–	3.1	0.0	–	0.0	–	–
117.0	45.0	–	0.0	0.0	–	–	–	0.0	3.0	–	0.0	–	–
117.0	80.0	–	–	0.0	–	–	–	2.7	0.0	–	0.0	–	–
133.0	50.0	–	0.0	–	2.8	–	–	–	0.0	–	0.0	–	–

TABLE 4. (cont.)

Scopelogadus bispinosus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
90.0	90.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–	5.4	–
90.0	100.0	2.9	–	0.0	–	–	–	–	–	–	–	–	–
93.0	100.0	2.9	–	0.0	–	–	–	–	–	–	–	–	–
97.0	80.0	2.8	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	90.0	0.0	–	0.0	–	–	0.0	0.0	–	–	2.9	–	–
117.0	50.0	–	0.0	0.0	–	–	–	0.0	2.6	–	0.0	–	–
117.0	60.0	–	3.0	0.0	–	–	–	0.0	0.0	–	0.0	–	–
130.0	50.0	–	0.0	–	0.0	0.0	–	–	2.6	–	0.0	–	–
133.0	35.0	–	0.0	–	0.0	–	–	–	3.4	–	0.0	–	–

Macroramphosus gracilis

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
100.0	50.0	–	24.5	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
103.0	70.0	–	2.9	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
110.0	60.0	–	24.4	0.0	–	0.0	–	0.0	0.0	–	0.0	–	–

Syngnathus spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
81.5	43.5	0.0	–	0.0	–	0.0	0.0	–	0.0	–	7.8	–	–
87.0	32.5	–	1.9	0.0	–	0.0	0.0	–	0.0	–	0.0	–	0.0
87.0	32.7	–	0.0	0.0	–	0.0	0.0	–	0.0	–	1.7	–	0.0
90.0	27.6	–	0.0	0.0	–	2.2	0.0	0.0	–	–	0.0	–	0.0
90.0	28.0	–	0.0	–	–	0.0	0.0	0.0	–	–	0.0	–	3.2
95.0	28.0	–	2.1	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
103.0	28.8	–	1.8	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
113.0	32.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	11.4	–	–
117.0	26.0	–	0.0	0.0	–	–	–	0.0	10.7	–	0.0	–	–
120.0	25.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	2.4	–	–
120.0	35.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	2.1	–	–

Agonidae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
80.0	50.1	–	0.0	1.8	–	0.0	0.0	–	0.0	–	–	0.0	–
83.0	42.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	11.2	–	0.0
83.0	44.0	12.5	–	0.0	–	0.0	10.6	–	0.0	–	0.0	–	0.0
83.0	44.7	0.0	–	0.0	–	10.9	0.0	–	0.0	–	0.0	–	–
83.0	45.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	11.8
91.5	26.8	–	0.0	–	–	–	0.0	2.6	–	–	0.0	–	0.0
91.5	27.0	–	–	10.0	–	0.0	–	–	–	–	–	–	–
113.0	31.0	–	0.0	0.0	–	0.0	–	0.0	2.2	–	0.0	–	–

TABLE 4. (cont.)

Agonidae (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
117.0	25.0	–	0.0	2.5	–	–	–	0.0	0.0	–	0.0	–	–
127.0	34.0	–	0.0	–	0.0	–	–	–	0.0	–	10.8	–	–
130.0	35.0	–	0.0	–	0.0	0.0	–	–	11.4	–	0.0	–	–

Anoplopoma fimbria

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
83.0	44.7	0.0	–	0.0	–	0.0	2.3	–	0.0	–	0.0	–	–

Cottidae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	50.0	–	0.0	–	0.0	–	–	–	10.8	–	–	0.0	–
60.0	52.0	–	0.0	–	0.0	–	–	–	2.8	–	–	0.0	–
60.0	55.0	–	0.0	–	22.6	–	–	–	0.0	–	–	0.0	–
63.0	50.0	–	0.0	–	2.3	–	–	–	–	–	–	0.0	–
63.0	52.0	–	0.0	–	0.0	–	–	–	14.4	–	–	0.0	–
77.0	48.0	–	0.0	–	0.0	0.0	12.8	–	0.0	–	–	0.0	–
81.5	44.5	0.0	–	3.0	–	0.0	0.0	–	0.0	–	0.0	–	–
83.0	44.0	0.0	–	0.0	–	14.4	0.0	–	0.0	–	0.0	–	0.0
83.0	45.0	3.0	–	0.0	–	12.8	2.5	–	0.0	–	0.0	–	0.0
83.0	48.0	0.0	–	0.0	–	0.0	0.0	–	30.1	–	11.6	–	0.0
83.0	49.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	9.2	–	0.0
83.0	50.0	0.0	–	15.8	–	0.0	90.7	–	2.0	–	0.0	–	0.0
85.0	37.2	–	0.0	0.0	–	11.0	0.0	–	0.0	–	0.0	–	–
85.0	37.5	0.0	–	0.0	–	0.0	0.0	–	5.7	–	0.0	–	–
87.0	32.7	–	0.0	0.0	–	10.3	0.0	–	0.0	–	0.0	–	0.0
87.0	50.0	21.1	–	0.0	–	0.0	20.7	–	0.0	–	0.0	–	11.0
88.5	31.0	–	0.0	0.0	–	2.4	2.1	–	0.0	–	0.0	–	0.0
88.5	32.0	–	0.0	2.6	–	0.0	0.0	–	0.0	–	0.0	–	0.0
88.5	33.0	–	0.0	–	–	51.7	0.0	–	0.0	–	0.0	–	0.0
90.0	27.6	–	0.0	0.0	–	4.3	0.0	0.0	–	–	0.0	–	0.0
90.0	60.0	0.0	–	0.0	–	3.4	0.0	0.0	–	–	–	0.0	–
91.5	26.8	–	0.0	–	–	–	0.0	5.1	–	–	0.0	–	0.0
93.0	26.9	–	0.0	0.0	–	16.6	0.0	2.3	–	–	0.0	–	0.0
95.0	28.0	–	0.0	0.0	–	7.7	0.0	0.0	–	–	0.0	–	–
95.0	29.0	–	0.0	0.0	–	0.0	9.0	2.2	–	–	0.0	–	–
97.0	30.0	0.0	–	0.0	–	11.5	0.0	0.0	–	–	0.0	–	–
100.0	31.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.8	–	–
103.0	28.8	–	0.0	0.0	–	8.4	0.0	0.0	–	–	0.0	–	–
103.0	30.0	–	0.0	0.0	–	11.7	0.0	0.0	–	–	0.0	–	–
107.0	30.3	–	0.0	1.4	–	–	0.0	–	0.0	–	0.0	–	–
110.0	32.4	–	2.4	9.7	–	61.4	–	0.0	–	–	17.5	–	–
110.0	33.0	–	2.7	0.0	–	55.9	–	0.0	0.0	–	0.0	–	–

TABLE 4. (cont.)

Cottidae (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
113.0	31.0	-	0.0	0.0	-	0.0	-	2.7	8.8	-	0.0	-	-
133.0	20.6	-	2.3	-	0.0	-	-	-	0.0	-	0.0	-	-

Scorpaenichthys marmoratus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
63.0	60.0	-	0.0	-	6.2	-	-	-	0.0	-	-	0.0	-
70.0	51.0	-	0.0	-	5.2	-	0.0	-	0.0	-	-	0.0	-
73.0	50.0	-	0.0	-	11.2	-	0.0	-	0.0	-	-	0.0	-
77.0	48.0	-	0.0	-	3.4	0.0	0.0	-	0.0	-	-	0.0	-
80.0	52.0	-	0.0	0.0	-	22.0	0.0	-	0.0	-	-	0.0	-
81.5	45.0	0.0	-	0.0	-	10.6	0.0	-	0.0	-	0.0	-	-
83.0	41.0	0.0	-	0.0	-	12.1	0.0	-	0.0	-	0.0	-	0.0
83.0	44.7	0.0	-	0.0	-	0.0	0.0	-	0.0	-	8.6	-	-
83.0	48.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	13.6
83.0	49.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	6.8
83.0	50.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	2.4
83.0	51.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	12.9
85.0	37.5	2.7	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	-
90.0	27.6	-	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	2.4
90.0	60.0	0.0	-	3.2	-	0.0	0.0	0.0	-	-	-	0.0	-
110.0	32.4	-	2.4	0.0	-	0.0	-	0.0	-	-	0.0	-	-
110.0	33.0	-	2.7	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	34.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.6	-	-

Cyclopteridae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	52.0	-	0.0	-	2.5	-	-	-	0.0	-	-	0.0	-
77.0	48.0	-	0.0	-	0.0	0.0	2.1	-	0.0	-	-	0.0	-
83.0	48.0	0.0	-	0.0	-	0.0	0.0	-	10.0	-	0.0	-	0.0
83.0	50.0	0.0	-	0.0	-	0.0	10.1	-	0.0	-	0.0	-	2.4
91.5	26.8	-	0.0	-	-	-	3.0	0.0	-	-	0.0	-	0.0
93.0	26.9	-	0.0	0.0	-	0.0	8.0	0.0	-	-	0.0	-	2.9
103.0	29.0	-	2.6	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
110.0	32.4	-	0.0	0.0	-	0.0	-	0.0	-	-	8.8	-	-
113.0	29.0	-	0.0	0.0	-	0.0	-	0.0	3.3	-	0.0	-	-
113.0	31.0	-	0.0	0.0	-	0.0	-	2.7	4.4	-	0.0	-	-
113.0	32.0	-	0.0	0.0	-	0.0	-	2.9	0.0	-	0.0	-	-

TABLE 4. (cont.)

Hexagrammidae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
70.0	51.0	-	0.0	-	5.2	-	0.0	-	0.0	-	-	0.0	-

Ophiodon elongatus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	52.0	-	0.0	-	2.5	-	-	-	0.0	-	-	0.0	-

Oxylebius pictus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
70.0	60.0	-	0.0	-	4.9	-	0.0	-	0.0	-	-	0.0	-
81.5	44.0	0.0	-	0.0	-	0.0	2.9	-	0.0	-	0.0	-	-
81.5	47.0	0.0	-	0.0	-	12.8	0.0	-	0.0	-	0.0	-	-
90.0	32.0	-	0.0	12.1	-	0.0	0.0	0.0	-	-	0.0	-	0.0

Zaniolepis spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
63.0	50.0	-	0.0	-	0.0	-	-	-	-	-	-	8.2	-
63.0	55.0	-	0.0	-	5.0	-	-	-	0.0	-	-	0.0	-
66.0	49.0	-	-	-	0.0	-	-	-	0.0	-	-	17.1	-
67.0	50.0	-	0.0	-	4.4	-	-	-	0.0	-	-	0.0	-
70.0	60.0	-	0.0	-	0.0	-	0.0	-	0.0	-	-	10.1	-
73.0	60.0	-	0.0	-	6.4	0.0	0.0	-	0.0	-	-	0.0	-
77.0	48.0	-	0.0	-	0.0	9.0	0.0	-	0.0	-	-	0.0	-
80.0	50.1	-	0.0	0.0	-	0.0	2.2	-	0.0	-	-	0.0	-
80.0	51.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	-	2.6	-
80.0	52.0	-	0.0	0.0	-	11.0	0.0	-	0.0	-	-	0.0	-
80.0	70.0	-	0.0	0.0	-	10.7	0.0	-	0.0	-	-	0.0	-
81.5	44.5	0.0	-	0.0	-	0.0	0.0	-	0.0	-	2.1	-	-
83.0	45.0	6.1	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	0.0
83.0	48.0	0.0	-	12.0	-	0.0	0.0	-	0.0	-	0.0	-	0.0
83.0	50.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	4.9
83.0	51.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	3.2	-	0.0
85.0	38.0	2.8	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	-
90.0	60.0	0.0	-	0.0	-	3.4	0.0	0.0	-	-	-	0.0	-
100.0	31.0	-	0.0	0.0	-	22.7	0.0	0.0	-	-	0.0	-	-
103.0	32.0	-	0.0	11.8	-	0.0	0.0	0.0	-	-	0.0	-	-
113.0	29.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	7.5	-	-
113.0	32.0	-	0.0	10.4	-	0.0	-	0.0	0.0	-	11.4	-	-
113.0	35.0	-	0.0	11.8	-	0.0	-	0.0	0.0	-	0.0	-	-
127.0	35.0	-	0.0	-	0.0	-	-	-	0.0	-	42.6	-	-

TABLE 4. (cont.)

Scorpaena spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
113.0	80.0	-	-	0.0	-	-	-	0.0	0.0	-	3.0	-	-
120.0	24.0	-	0.0	0.0	-	0.0	-	2.6	0.0	-	0.0	-	-
120.0	35.0	-	0.0	0.0	-	0.0	-	11.3	0.0	-	0.0	-	-
120.0	45.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	25.9	-	-
120.0	50.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	19.8	-	-
123.0	50.0	-	0.0	0.0	-	0.0	-	-	0.0	-	11.0	-	-
123.0	60.0	-	0.0	0.0	-	0.0	-	-	0.0	-	6.2	-	-
127.0	34.0	-	0.0	-	0.0	-	-	-	0.0	-	10.8	-	-
127.0	45.0	-	0.0	-	0.0	-	-	-	0.0	-	11.6	-	-
133.0	50.0	-	0.0	-	0.0	-	-	-	0.0	-	33.7	-	-
137.0	22.0	-	0.0	-	0.0	-	-	-	0.0	-	2.1	-	-

Sebastes spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	50.0	-	0.0	-	2.2	-	-	-	0.0	-	-	0.0	-
60.0	52.0	-	0.0	-	78.7	-	-	-	50.8	-	-	0.0	-
60.0	55.0	-	1516.2	-	520.7	-	-	-	21.4	-	-	11.8	-
60.0	60.0	-	0.0	-	23.1	-	-	-	0.0	-	-	0.0	-
60.0	65.0	-	12.1	-	-	10.2	-	-	0.0	-	-	0.0	-
60.0	70.0	-	10.6	-	-	22.6	-	-	11.7	-	-	0.0	-
60.0	90.0	-	-	-	-	2.1	-	-	11.8	-	-	-	-
63.0	50.0	-	12.1	-	83.3	-	-	-	-	-	-	0.0	-
63.0	52.0	-	115.2	-	509.1	-	-	-	28.8	-	-	12.4	-
63.0	55.0	-	89.3	-	422.2	-	-	-	95.7	-	-	0.0	-
63.0	60.0	-	45.3	-	0.0	-	-	-	21.9	-	-	12.6	-
63.0	65.0	-	34.9	-	29.2	-	-	-	-	-	-	12.4	-
63.0	72.0	-	11.7	-	-	-	-	-	-	-	-	-	-
63.0	80.0	-	-	-	-	54.5	-	-	-	-	-	-	-
63.0	90.0	-	-	-	-	35.5	-	-	-	-	-	-	-
66.0	49.0	-	-	-	33.4	-	-	-	10.7	-	-	27.0	-
67.0	49.0	-	76.4	-	-	-	-	-	-	-	-	-	-
67.0	50.0	-	34.7	-	309.1	-	-	-	104.4	-	-	52.6	-
67.0	55.0	-	-	-	314.0	-	-	-	0.0	-	-	0.0	-
67.0	56.0	-	32.5	-	-	-	-	-	-	-	-	-	-
67.0	60.0	-	0.0	-	42.2	-	-	-	68.0	-	-	11.3	-
67.0	65.0	-	0.0	-	14.1	-	-	-	-	-	-	22.1	-
67.0	70.0	-	0.0	-	14.7	-	-	-	-	-	-	0.0	-
67.0	80.0	-	0.0	-	11.4	-	-	-	-	-	-	-	-
67.0	90.0	-	-	-	5.7	-	-	-	-	-	-	-	-
70.0	51.0	-	0.0	-	197.6	-	28.0	-	24.4	-	-	42.6	-
70.0	53.0	-	56.0	-	176.1	-	23.1	-	46.6	-	-	104.4	-
70.0	60.0	-	12.3	-	60.6	-	62.6	-	0.0	-	-	121.0	-
70.0	65.0	-	11.7	-	23.1	-	-	-	0.0	-	-	0.0	-
70.0	70.0	-	0.0	-	29.6	-	0.0	-	23.4	-	-	0.0	-

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
70.0	80.0	-	12.4	-	74.2	-	0.0	-	0.0	-	-	11.7	-
70.0	90.0	-	-	-	5.8	-	0.0	-	0.0	-	-	0.0	-
73.0	50.0	-	11.9	-	829.9	-	16.2	-	21.5	-	-	0.0	-
73.0	53.0	-	49.8	-	52.5	58.0	0.0	-	51.0	-	-	79.5	-
73.0	60.0	-	0.0	-	422.4	50.0	0.0	-	46.2	-	-	0.0	-
73.0	65.0	-	10.9	-	70.1	32.8	9.4	-	55.8	-	-	11.4	-
73.0	70.0	-	0.0	-	0.0	0.0	0.0	-	22.6	-	-	0.0	-
73.0	90.0	-	-	-	-	11.1	0.0	-	3.0	-	-	0.0	-
77.0	48.0	-	0.0	-	1.7	17.9	6.4	-	0.0	-	-	0.0	-
77.0	51.0	-	17.2	-	309.9	77.6	36.7	-	-	-	-	0.0	-
77.0	55.0	-	-	-	100.1	23.0	35.4	-	79.5	-	-	31.7	-
77.0	60.0	-	0.0	-	51.5	112.4	0.0	-	12.6	-	-	21.4	-
77.0	65.0	-	0.0	-	90.9	0.0	0.0	-	0.0	-	-	0.0	-
77.0	80.0	-	0.0	-	-	0.0	0.0	-	14.3	-	-	0.0	-
80.0	50.1	-	0.0	28.2	-	45.6	8.9	-	0.0	-	-	3.5	-
80.0	51.0	-	251.7	160.5	-	30.6	20.2	-	1.9	-	-	34.1	-
80.0	52.0	-	101.6	108.7	-	66.0	34.8	-	31.3	-	-	66.0	-
80.0	53.0	-	422.4	307.2	-	220.0	0.0	-	23.7	-	-	10.7	-
80.0	54.0	-	510.7	193.2	-	45.8	0.0	-	0.0	-	-	36.7	-
80.0	55.0	-	160.7	373.8	-	58.4	13.0	-	0.0	-	-	11.4	-
80.0	60.0	-	11.1	45.3	-	81.2	12.2	-	12.7	-	-	97.6	-
80.0	70.0	-	0.0	0.0	-	42.7	0.0	-	0.0	-	-	0.0	-
81.5	43.5	2.3	-	3.6	-	35.7	0.0	-	2.0	-	15.6	-	-
81.5	44.0	21.8	-	50.5	-	23.0	5.9	-	0.0	-	0.0	-	-
81.5	44.5	6.1	-	85.6	-	75.3	7.8	-	20.3	-	10.7	-	-
81.5	45.0	25.9	-	421.4	-	508.8	14.8	-	56.3	-	43.5	-	-
81.5	46.0	152.2	-	719.3	-	580.8	11.0	-	11.4	-	10.6	-	-
81.5	47.0	0.0	-	132.4	-	472.1	0.0	-	0.0	-	45.4	-	-
83.0	39.4	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	1.3
83.0	40.6	0.0	-	25.0	-	69.4	19.1	-	0.0	-	0.0	-	-
83.0	41.0	2.8	-	102.6	-	387.8	72.2	-	0.0	-	5.5	-	5.7
83.0	42.0	0.0	-	317.0	-	41.8	70.8	-	0.0	-	22.5	-	13.6
83.0	43.0	25.3	-	88.5	-	465.6	12.6	-	12.7	-	11.8	-	13.5
83.0	44.0	75.1	-	352.8	-	1641.6	31.7	-	14.6	-	9.2	-	0.0
83.0	44.7	17.0	-	137.7	-	326.4	11.6	-	12.0	-	51.8	-	-
83.0	45.0	33.4	-	207.2	-	678.4	9.9	-	44.8	-	10.4	-	35.4
83.0	48.0	89.9	-	538.2	-	836.0	35.8	-	30.1	-	0.0	-	81.4
83.0	49.0	18.6	-	18.8	-	47.6	34.4	-	0.0	-	0.0	-	46.6
83.0	50.0	14.3	-	200.6	-	260.4	0.0	-	4.1	-	2.4	-	24.4
83.0	51.0	12.0	-	623.3	-	838.7	16.6	-	35.3	-	44.5	-	90.4
83.0	55.0	104.0	-	1700.4	-	126.7	0.0	-	23.5	-	12.6	-	71.5
83.0	60.0	175.7	-	86.2	-	0.0	0.0	-	0.0	-	12.0	-	116.0
83.0	80.0	0.0	-	0.0	-	6.3	0.0	-	2.7	-	2.8	-	-
85.0	37.2	-	2.3	39.4	-	33.1	32.6	-	0.0	-	4.9	-	-
85.0	37.5	2.7	-	10.5	-	0.0	0.0	-	0.0	-	14.6	-	-
85.0	38.0	171.1	-	193.8	-	183.7	34.0	-	33.8	-	33.1	-	-

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
85.0	39.0	24.4	-	94.4	-	148.8	51.7	-	0.0	-	12.6	-	-
85.0	40.0	0.0	-	77.5	-	257.0	24.4	-	0.0	-	0.0	-	-
87.0	32.5	-	0.0	14.4	-	0.0	0.0	-	0.0	-	0.0	-	5.5
87.0	32.7	-	2.0	15.1	-	10.3	0.0	-	0.0	-	0.0	-	0.0
87.0	33.0	-	7.5	55.0	-	43.4	0.0	-	0.0	-	0.0	-	2.7
87.0	34.0	-	7.8	33.7	-	300.1	0.0	-	12.1	-	2.6	-	11.9
87.0	35.0	-	0.0	224.6	-	171.0	37.3	-	0.0	-	0.0	-	40.8
87.0	36.0	-	0.0	73.2	-	143.4	15.2	-	0.0	-	23.7	-	67.8
87.0	40.0	0.0	-	13.6	-	152.6	13.8	-	0.0	-	0.0	-	194.6
87.0	45.0	52.3	-	148.7	-	254.4	37.0	-	0.0	-	0.0	-	182.0
87.0	50.0	190.1	-	992.6	-	1272.8	248.6	-	27.1	-	85.0	-	54.8
87.0	55.0	27.9	-	376.8	-	75.0	23.0	-	13.2	-	53.6	-	51.5
87.0	60.0	14.1	-	-	-	12.7	44.8	-	0.0	-	0.0	-	15.9
87.0	70.0	0.0	-	20.0	-	12.8	6.0	-	0.0	-	11.4	-	-
87.0	80.0	0.0	-	0.0	-	0.0	2.9	-	0.0	-	0.0	-	-
87.0	90.0	0.0	-	0.0	-	2.8	0.0	-	0.0	-	0.0	-	-
88.5	31.0	-	0.0	8.6	-	0.0	2.1	-	0.0	-	0.0	-	2.5
88.5	32.0	-	0.0	42.1	-	10.0	0.0	-	0.0	-	0.0	-	18.8
88.5	33.0	-	0.0	-	-	271.3	11.6	-	23.5	-	11.7	-	13.2
88.5	34.0	-	0.0	11.8	-	52.0	0.0	-	0.0	-	12.2	-	0.0
90.0	27.6	-	0.0	24.6	-	0.0	0.0	0.0	-	-	5.0	-	2.4
90.0	28.0	-	26.6	-	-	41.8	0.0	0.0	-	-	16.4	-	3.2
90.0	29.0	-	0.0	48.3	-	0.0	0.0	13.9	-	-	0.0	-	13.3
90.0	30.0	-	0.0	169.0	-	0.0	51.8	0.0	-	-	0.0	-	0.0
90.0	31.0	-	0.0	44.9	-	0.0	111.2	0.0	-	-	5.8	-	0.0
90.0	32.0	-	0.0	48.5	-	12.4	22.6	0.0	-	-	8.4	-	14.1
90.0	37.0	11.9	-	22.5	-	13.9	0.0	0.0	-	-	0.0	-	37.0
90.0	45.0	0.0	-	13.0	-	54.7	0.0	0.0	-	-	-	0.0	134.2
90.0	53.0	12.2	-	155.6	-	201.0	0.0	0.0	-	-	-	0.0	-
90.0	60.0	0.0	-	120.1	-	386.5	28.0	0.0	-	-	-	0.0	-
90.0	70.0	0.0	-	6.1	-	11.0	5.7	0.0	-	-	-	39.6	-
90.0	80.0	0.0	-	2.9	-	0.0	0.0	0.0	-	-	-	0.0	-
91.5	26.5	-	0.0	0.0	-	0.0	0.0	-	-	-	0.0	-	1.5
91.5	26.8	-	0.0	-	-	-	0.0	7.7	-	-	5.5	-	13.4
91.5	27.0	-	-	39.8	-	11.6	-	-	-	-	-	-	-
91.5	28.0	-	0.0	11.9	-	104.3	13.3	0.0	-	-	0.0	-	9.4
91.5	29.0	-	0.0	0.0	-	26.0	23.8	0.0	-	-	0.0	-	6.3
91.5	30.0	-	25.2	13.5	-	0.0	0.0	0.0	-	-	0.0	-	0.0
93.0	26.7	-	2.5	65.4	-	11.6	0.0	-	-	-	0.0	-	32.5
93.0	26.9	-	5.6	268.6	-	49.7	2.7	2.3	-	-	0.0	-	46.9
93.0	28.0	-	73.9	24.6	-	39.6	0.0	0.0	-	-	5.8	-	0.0
93.0	29.0	-	0.0	25.3	-	13.7	0.0	0.0	-	-	0.0	-	12.6
93.0	30.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	2.8	-	0.0
93.0	35.0	25.1	-	0.0	-	55.7	25.1	0.0	-	-	0.0	-	11.1
93.0	40.0	46.2	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-	35.8
93.0	45.0	5.5	-	69.8	-	220.0	0.0	0.0	-	-	0.0	-	0.0

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
93.0	50.0	12.3	–	11.8	–	28.6	12.2	28.5	–	–	0.0	–	75.4
93.0	55.0	0.0	–	0.0	–	26.9	17.1	15.0	–	–	0.0	–	–
93.0	60.0	0.0	–	0.0	–	12.2	41.4	2.9	–	–	–	0.0	–
93.0	70.0	0.0	–	0.0	–	3.5	86.7	3.0	–	–	–	0.0	–
95.0	29.0	–	0.0	22.3	–	89.3	9.0	2.2	–	–	0.0	–	–
95.0	30.0	–	40.5	336.0	–	79.4	26.0	52.0	–	–	47.5	–	–
95.0	31.0	–	44.8	61.6	–	220.2	42.6	5.8	–	–	0.0	–	–
95.0	32.0	–	24.0	12.6	–	27.8	41.8	0.0	–	–	11.8	–	–
97.0	28.8	0.0	–	10.4	–	0.0	15.9	0.0	–	–	0.0	–	–
97.0	29.0	5.2	–	15.2	–	13.2	2.6	0.0	–	–	23.9	–	–
97.0	30.0	8.8	–	54.6	–	0.0	21.8	0.0	–	–	94.4	–	–
97.0	31.0	11.3	–	117.0	–	27.3	3.1	11.4	–	–	21.9	–	–
97.0	32.0	0.0	–	41.6	–	14.4	0.0	11.0	–	–	0.0	–	–
97.0	35.0	6.1	–	124.9	–	16.5	0.0	0.0	–	–	11.3	–	–
97.0	40.0	0.0	–	0.0	–	20.2	30.8	14.3	–	–	0.0	–	–
97.0	45.0	0.0	–	0.0	–	12.6	0.0	20.5	–	–	2.6	–	–
97.0	50.0	0.0	–	0.0	–	13.5	0.0	17.7	–	–	0.0	–	–
97.0	55.0	0.0	–	24.6	–	0.0	0.0	0.0	–	–	0.0	–	–
100.0	29.0	–	33.8	118.8	–	47.4	11.8	2.7	–	–	22.6	–	–
100.0	30.0	–	–	11.9	–	80.2	0.0	–	–	–	72.7	–	–
100.0	30.5	–	73.2	–	–	–	–	–	–	–	–	–	–
100.0	31.0	–	44.8	61.6	–	215.8	129.8	0.0	–	–	11.0	–	–
100.0	32.0	–	28.7	164.6	–	390.0	24.8	2.6	–	–	0.0	–	–
100.0	35.0	–	–	12.6	–	0.0	0.0	10.5	–	–	10.6	–	–
100.0	50.0	–	0.0	0.0	–	0.0	0.0	11.8	–	–	0.0	–	–
103.0	28.8	–	0.0	0.0	–	8.4	0.0	0.0	–	–	0.0	–	–
103.0	29.0	–	0.0	25.1	–	43.7	0.0	0.0	–	–	9.8	–	–
103.0	30.0	–	11.2	86.4	–	140.2	11.5	0.0	–	–	34.1	–	–
103.0	31.0	–	57.8	127.7	–	256.1	10.6	0.0	–	–	0.0	–	–
103.0	32.0	–	36.8	201.3	–	211.0	0.0	0.0	–	–	0.0	–	–
103.0	35.0	–	20.8	24.9	–	0.0	0.0	30.6	–	–	0.0	–	–
103.0	40.0	–	2.7	12.7	–	0.0	12.0	25.1	–	–	0.0	–	–
103.0	50.0	–	0.0	0.0	–	0.0	0.0	21.4	–	–	0.0	–	–
107.0	30.3	–	0.0	0.0	–	–	1.9	–	0.0	–	0.0	–	–
107.0	30.6	–	4.5	0.0	–	–	0.0	–	0.0	–	0.0	–	–
107.0	31.0	–	10.0	2.2	–	–	0.0	–	0.0	–	8.8	–	–
107.0	32.0	–	73.2	24.6	–	–	0.0	–	0.0	–	10.6	–	–
107.0	33.0	–	0.0	0.0	–	–	0.0	–	0.0	–	47.4	–	–
107.0	34.0	–	0.0	24.1	–	–	0.0	–	0.0	–	0.0	–	–
110.0	32.4	–	130.1	38.7	–	0.0	–	0.0	–	–	0.0	–	–
110.0	33.0	–	31.8	133.4	–	74.6	–	37.2	2.4	–	0.0	–	–
110.0	34.0	–	82.0	33.7	–	103.2	–	0.0	0.0	–	5.2	–	–
110.0	35.0	–	55.8	0.0	–	67.8	–	0.0	0.0	–	5.9	–	–
110.0	40.0	–	0.0	0.0	–	0.0	–	11.1	0.0	–	2.9	–	–
110.0	45.0	–	0.0	12.3	–	0.0	–	36.8	10.0	–	0.0	–	–
110.0	70.0	–	–	12.0	–	–	–	0.0	0.0	–	0.0	–	–

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
113.0	28.8	-	2.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	29.0	-	0.0	0.0	-	10.1	-	0.0	0.0	-	0.0	-	-
113.0	30.0	-	2.7	5.5	-	121.4	-	12.7	22.9	-	0.0	-	-
113.0	31.0	-	21.9	128.2	-	65.2	-	23.9	4.4	-	0.0	-	-
113.0	32.0	-	10.8	134.7	-	65.3	-	14.6	0.0	-	0.0	-	-
113.0	35.0	-	0.0	35.4	-	3.3	-	11.6	0.0	-	0.0	-	-
113.0	40.0	-	3.0	12.8	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	70.0	-	-	3.0	-	0.0	-	0.0	0.0	-	0.0	-	-
117.0	25.0	-	0.0	2.5	-	-	-	0.0	0.0	-	0.0	-	-
117.0	26.0	-	0.0	11.3	-	-	-	10.4	0.0	-	2.8	-	-
117.0	27.0	-	0.0	0.0	-	-	-	69.6	0.0	-	0.0	-	-
117.0	28.0	-	0.0	10.0	-	-	-	0.0	0.0	-	0.0	-	-
117.0	30.0	-	0.0	10.9	-	-	-	0.0	0.0	-	0.0	-	-
117.0	35.0	-	0.0	22.9	-	-	-	11.3	21.3	-	0.0	-	-
117.0	40.0	-	0.0	62.2	-	-	-	0.0	0.0	-	0.0	-	-
118.0	39.0	-	0.0	14.6	-	-	-	0.0	0.0	-	0.0	-	-
119.0	33.0	-	2.9	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	22.7	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.9	-	-
120.0	25.0	-	0.0	2.5	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	26.0	-	0.0	7.6	-	0.0	-	10.4	0.0	-	0.0	-	-
120.0	30.0	-	0.0	10.9	-	70.6	-	0.0	0.0	-	0.0	-	-
120.0	35.0	-	0.0	2.8	-	0.0	-	11.3	10.6	-	0.0	-	-
120.0	40.0	-	0.0	0.0	-	5.6	-	21.8	0.0	-	0.0	-	-
120.0	50.0	-	0.0	0.0	-	65.2	-	0.0	0.0	-	0.0	-	-
120.0	60.0	-	0.0	0.0	-	0.0	-	12.4	0.0	-	0.0	-	-
123.0	35.7	-	0.0	-	3.5	7.4	-	-	0.0	-	0.0	-	-
123.0	36.0	-	0.0	-	7.1	34.2	-	-	0.0	-	0.0	-	-
123.0	37.0	-	0.0	-	30.8	73.9	-	-	8.2	-	0.0	-	-
123.0	38.0	-	0.0	-	115.3	28.6	-	-	0.0	-	0.0	-	-
123.0	39.0	-	0.0	-	0.0	25.2	-	-	0.0	-	0.0	-	-
127.0	34.0	-	0.0	-	0.0	-	-	-	72.0	-	0.0	-	-
127.0	35.0	-	2.7	-	0.0	-	-	-	0.0	-	0.0	-	-
130.0	26.0	-	0.0	-	0.0	2.0	-	-	0.0	-	0.0	-	-
130.0	27.0	-	0.0	-	0.0	7.9	-	-	0.0	-	0.0	-	-
130.0	28.0	-	0.0	-	0.0	11.9	-	-	0.0	-	0.0	-	-
130.0	30.0	-	0.0	-	0.0	44.5	-	-	0.0	-	0.0	-	-
133.0	35.0	-	0.0	-	2.8	-	-	-	0.0	-	0.0	-	-
137.0	30.0	-	0.0	-	0.0	-	-	-	10.2	-	0.0	-	-
137.0	35.0	-	0.0	-	0.0	-	-	-	12.8	-	0.0	-	-

Sebastes aurora

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
73.0	53.0	-	0.0	-	13.1	0.0	0.0	-	0.0	-	-	0.0	-
77.0	51.0	-	0.0	-	0.0	0.0	12.2	-	-	-	-	0.0	-

TABLE 4. (cont.)

Sebastes aurora (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
77.0	60.0	–	0.0	–	0.0	0.0	12.2	–	12.6	–	–	0.0	–
83.0	50.0	0.0	–	0.0	–	2.5	0.0	–	0.0	–	0.0	–	0.0
83.0	80.0	0.0	–	0.0	–	3.2	0.0	–	0.0	–	0.0	–	–
87.0	45.0	0.0	–	13.5	–	0.0	0.0	–	0.0	–	0.0	–	0.0
87.0	70.0	0.0	–	0.0	–	0.0	3.0	–	0.0	–	0.0	–	–
90.0	30.0	–	0.0	0.0	–	13.8	0.0	0.0	–	–	0.0	–	0.0
90.0	60.0	0.0	–	9.5	–	6.8	0.0	0.0	–	–	–	0.0	–
93.0	29.0	–	0.0	0.0	–	0.0	3.2	0.0	–	–	0.0	–	0.0
97.0	40.0	0.0	–	0.0	–	0.0	3.1	0.0	–	–	0.0	–	–

Sebastes jordani

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	65.0	–	0.0	–	–	10.2	–	–	0.0	–	–	0.0	–
63.0	52.0	–	0.0	–	215.6	–	–	–	0.0	–	–	0.0	–
63.0	55.0	–	0.0	–	59.6	–	–	–	0.0	–	–	0.0	–
67.0	50.0	–	0.0	–	4.4	–	–	–	0.0	–	–	0.0	–
67.0	60.0	–	0.0	–	29.0	–	–	–	0.0	–	–	0.0	–
67.0	80.0	–	0.0	–	11.4	–	–	–	–	–	–	–	–
70.0	51.0	–	0.0	–	5.7	–	0.0	–	0.0	–	–	0.0	–
70.0	53.0	–	0.0	–	10.3	–	0.0	–	0.0	–	–	0.0	–
70.0	60.0	–	0.0	–	9.9	–	0.0	–	0.0	–	–	0.0	–
73.0	53.0	–	0.0	–	0.0	11.6	0.0	–	0.0	–	–	0.0	–
77.0	51.0	–	0.0	–	0.0	55.4	0.0	–	–	–	–	0.0	–
80.0	51.0	–	0.0	0.0	–	20.4	0.0	–	0.0	–	–	0.0	–
80.0	52.0	–	0.0	0.0	–	55.0	0.0	–	0.0	–	–	0.0	–
81.5	44.5	0.0	–	0.0	–	10.8	0.0	–	0.0	–	0.0	–	–
81.5	45.0	0.0	–	0.0	–	84.8	0.0	–	0.0	–	0.0	–	–
81.5	46.0	0.0	–	0.0	–	171.6	0.0	–	0.0	–	0.0	–	–
81.5	47.0	0.0	–	0.0	–	127.6	0.0	–	0.0	–	0.0	–	–
83.0	40.6	0.0	–	0.0	–	19.8	0.0	–	0.0	–	0.0	–	–
83.0	41.0	8.3	–	0.0	–	109.1	0.0	–	0.0	–	0.0	–	0.0
83.0	42.0	0.0	–	0.0	–	73.1	0.0	–	0.0	–	0.0	–	0.0
83.0	44.0	0.0	–	0.0	–	201.6	0.0	–	0.0	–	0.0	–	0.0
83.0	44.7	0.0	–	0.0	–	10.9	0.0	–	0.0	–	0.0	–	–
83.0	45.0	0.0	–	0.0	–	179.2	0.0	–	0.0	–	0.0	–	0.0
83.0	48.0	0.0	–	0.0	–	55.0	0.0	–	0.0	–	0.0	–	0.0
83.0	49.0	0.0	–	0.0	–	9.5	0.0	–	0.0	–	0.0	–	0.0
83.0	50.0	0.0	–	0.0	–	2.5	0.0	–	0.0	–	0.0	–	0.0
83.0	51.0	0.0	–	0.0	–	96.4	0.0	–	0.0	–	0.0	–	0.0
85.0	38.0	0.0	–	0.0	–	65.6	0.0	–	0.0	–	0.0	–	–
85.0	40.0	0.0	–	0.0	–	73.4	0.0	–	0.0	–	0.0	–	–
87.0	34.0	–	0.0	0.0	–	106.5	0.0	–	0.0	–	0.0	–	0.0
87.0	40.0	0.0	–	0.0	–	25.4	0.0	–	0.0	–	0.0	–	0.0
87.0	70.0	0.0	–	0.0	–	3.2	0.0	–	0.0	–	0.0	–	–

TABLE 4. (cont.)

Sebastes jordani (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
88.5	32.0	–	0.0	0.0	–	10.0	0.0	–	0.0	–	0.0	–	2.7
88.5	34.0	–	0.0	0.0	–	39.0	0.0	–	0.0	–	0.0	–	0.0
90.0	28.0	–	0.0	–	–	55.7	0.0	0.0	–	–	0.0	–	0.0
90.0	60.0	0.0	–	0.0	–	13.7	0.0	0.0	–	–	–	0.0	–
93.0	26.9	–	0.0	0.0	–	41.4	0.0	0.0	–	–	0.0	–	0.0
93.0	28.0	–	0.0	0.0	–	52.8	0.0	0.0	–	–	0.0	–	0.0
93.0	29.0	–	0.0	0.0	–	13.7	0.0	0.0	–	–	0.0	–	0.0
95.0	30.0	–	0.0	0.0	–	397.2	0.0	0.0	–	–	0.0	–	–
103.0	29.0	–	0.0	0.0	–	21.8	0.0	0.0	–	–	0.0	–	–

Sebastes levis

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
67.0	50.0	–	0.0	–	4.4	–	–	–	0.0	–	–	0.0	–
67.0	60.0	–	0.0	–	23.2	–	–	–	0.0	–	–	0.0	–
81.5	45.0	0.0	–	0.0	–	10.6	0.0	–	0.0	–	0.0	–	–
81.5	46.0	0.0	–	0.0	–	92.4	0.0	–	0.0	–	0.0	–	–
81.5	47.0	0.0	–	0.0	–	25.5	0.0	–	0.0	–	0.0	–	–
83.0	44.0	0.0	–	0.0	–	14.4	0.0	–	0.0	–	0.0	–	0.0
83.0	45.0	0.0	–	0.0	–	12.8	0.0	–	0.0	–	0.0	–	0.0
83.0	48.0	0.0	–	0.0	–	22.0	0.0	–	0.0	–	0.0	–	0.0
83.0	49.0	0.0	–	0.0	–	9.5	0.0	–	0.0	–	0.0	–	0.0
83.0	50.0	0.0	–	0.0	–	17.4	0.0	–	0.0	–	0.0	–	4.9
83.0	51.0	0.0	–	0.0	–	19.3	0.0	–	0.0	–	0.0	–	0.0
85.0	37.2	–	0.0	2.5	–	0.0	0.0	–	0.0	–	0.0	–	–
87.0	40.0	0.0	–	13.6	–	12.7	0.0	–	0.0	–	0.0	–	0.0
90.0	27.6	–	0.0	0.0	–	2.2	0.0	0.0	–	–	0.0	–	0.0
95.0	30.0	–	0.0	0.0	–	0.0	13.0	0.0	–	–	0.0	–	–

Sebastes macdonaldi

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
110.0	50.0	–	0.0	11.3	–	0.0	–	0.0	0.0	–	0.0	–	–
113.0	31.0	–	0.0	85.4	–	0.0	–	0.0	0.0	–	0.0	–	–
113.0	45.0	–	0.0	11.6	–	0.0	–	0.0	0.0	–	0.0	–	–
117.0	26.0	–	0.0	11.3	–	–	–	0.0	0.0	–	0.0	–	–
117.0	27.0	–	0.0	11.6	–	–	–	0.0	0.0	–	0.0	–	–
117.0	35.0	–	0.0	22.9	–	–	–	0.0	0.0	–	0.0	–	–
117.0	40.0	–	0.0	12.4	–	–	–	0.0	0.0	–	0.0	–	–
119.0	33.0	–	0.0	0.0	–	12.4	–	0.0	0.0	–	0.0	–	–
120.0	30.0	–	0.0	10.9	–	0.0	–	0.0	0.0	–	0.0	–	–
123.0	35.7	–	0.0	–	1.8	0.0	–	–	0.0	–	0.0	–	–
123.0	36.0	–	0.0	–	0.0	11.4	–	–	0.0	–	0.0	–	–
123.0	37.0	–	0.0	–	2.6	24.6	–	–	0.0	–	0.0	–	–

TABLE 4. (cont.)

Sebastes macdonaldi (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
123.0	38.0	–	0.0	–	10.5	0.0	–	–	0.0	–	0.0	–	–
123.0	39.0	–	0.0	–	10.9	0.0	–	–	0.0	–	0.0	–	–
127.0	33.0	–	0.0	–	7.4	–	–	–	0.0	–	0.0	–	–
127.0	34.0	–	0.0	–	5.2	–	–	–	0.0	–	0.0	–	–
127.0	35.0	–	0.0	–	29.3	–	–	–	0.0	–	0.0	–	–
130.0	27.0	–	0.0	–	0.0	2.6	–	–	0.0	–	0.0	–	–
130.0	30.0	–	0.0	–	0.0	33.4	–	–	0.0	–	0.0	–	–
133.0	30.0	–	0.0	–	2.8	–	–	–	0.0	–	0.0	–	–

Sebastes paucispinis

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	70.0	–	0.0	–	–	11.3	–	–	0.0	–	–	0.0	–
63.0	50.0	–	0.0	–	3.4	–	–	–	–	–	–	0.0	–
63.0	60.0	–	0.0	–	5.0	–	–	–	0.0	–	–	0.0	–
63.0	65.0	–	11.6	–	0.0	–	–	–	–	–	–	0.0	–
63.0	80.0	–	–	–	–	9.1	–	–	–	–	–	–	–
63.0	90.0	–	–	–	–	8.9	–	–	–	–	–	–	–
67.0	55.0	–	–	–	12.5	–	–	–	0.0	–	–	0.0	–
67.0	60.0	–	14.7	–	13.2	–	–	–	0.0	–	–	0.0	–
67.0	65.0	–	0.0	–	4.7	–	–	–	–	–	–	0.0	–
70.0	53.0	–	11.2	–	10.3	–	0.0	–	0.0	–	–	0.0	–
70.0	60.0	–	0.0	–	6.3	–	0.0	–	0.0	–	–	0.0	–
70.0	65.0	–	0.0	–	6.2	–	–	–	0.0	–	–	0.0	–
70.0	70.0	–	0.0	–	14.0	–	12.0	–	0.0	–	–	0.0	–
70.0	90.0	–	–	–	2.9	–	0.0	–	0.0	–	–	0.0	–
73.0	60.0	–	0.0	–	83.2	0.0	0.0	–	0.0	–	–	0.0	–
73.0	80.0	–	0.0	–	–	21.8	0.0	–	0.0	–	–	0.0	–
77.0	55.0	–	–	–	50.0	0.0	0.0	–	0.0	–	–	0.0	–
77.0	60.0	–	0.0	–	0.0	11.2	0.0	–	0.0	–	–	0.0	–
77.0	65.0	–	0.0	–	11.4	0.0	0.0	–	0.0	–	–	0.0	–
80.0	51.0	–	0.0	18.9	–	0.0	0.0	–	0.0	–	–	0.0	–
80.0	52.0	–	508.2	0.0	–	0.0	0.0	–	0.0	–	–	0.0	–
80.0	53.0	–	25.6	163.8	–	22.0	0.0	–	0.0	–	–	0.0	–
80.0	54.0	–	0.0	41.4	–	22.9	0.0	–	0.0	–	–	0.0	–
80.0	55.0	–	12.4	0.0	–	0.0	0.0	–	0.0	–	–	0.0	–
80.0	60.0	–	0.0	0.0	–	11.6	0.0	–	0.0	–	–	0.0	–
81.5	44.5	0.0	–	0.0	–	10.8	0.0	–	0.0	–	0.0	–	–
81.5	46.0	0.0	–	0.0	–	13.2	0.0	–	0.0	–	0.0	–	–
83.0	41.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	2.9
83.0	42.0	0.0	–	0.0	–	10.4	0.0	–	0.0	–	0.0	–	0.0
83.0	44.0	0.0	–	0.0	–	14.4	0.0	–	0.0	–	0.0	–	0.0
83.0	44.7	17.0	–	0.0	–	10.9	0.0	–	0.0	–	0.0	–	–
83.0	49.0	0.0	–	2.1	–	0.0	0.0	–	0.0	–	0.0	–	0.0
83.0	50.0	0.0	–	26.4	–	0.0	0.0	–	0.0	–	0.0	–	0.0

TABLE 4. (cont.)

Sebastes paucispinis (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
83.0	51.0	0.0	-	70.6	-	0.0	0.0	-	0.0	-	0.0	-	12.9
83.0	55.0	0.0	-	104.6	-	21.1	0.0	-	0.0	-	0.0	-	59.6
83.0	60.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	23.2
83.0	70.0	0.0	-	0.0	-	11.4	0.0	-	0.0	-	-	-	-
85.0	37.5	0.0	-	10.5	-	0.0	0.0	-	0.0	-	0.0	-	-
85.0	40.0	0.0	-	0.0	-	24.5	0.0	-	0.0	-	0.0	-	-
87.0	34.0	-	0.0	11.2	-	0.0	0.0	-	0.0	-	0.0	-	0.0
87.0	35.0	-	0.0	25.0	-	0.0	0.0	-	0.0	-	0.0	-	0.0
87.0	36.0	-	0.0	12.2	-	13.0	0.0	-	0.0	-	0.0	-	0.0
87.0	40.0	0.0	-	13.6	-	50.9	0.0	-	0.0	-	0.0	-	36.5
87.0	45.0	0.0	-	54.1	-	25.4	0.0	-	0.0	-	0.0	-	0.0
87.0	55.0	0.0	-	0.0	-	10.7	0.0	-	0.0	-	0.0	-	12.9
87.0	70.0	0.0	-	3.3	-	3.2	3.0	-	0.0	-	0.0	-	-
87.0	80.0	0.0	-	0.0	-	0.0	2.9	-	0.0	-	0.0	-	-
88.5	33.0	-	0.0	-	-	0.0	0.0	-	0.0	-	0.0	-	13.2
88.5	34.0	-	0.0	0.0	-	13.0	0.0	-	0.0	-	24.3	-	0.0
90.0	31.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	12.9
90.0	37.0	11.9	-	0.0	-	27.8	0.0	0.0	-	-	0.0	-	12.3
90.0	45.0	12.6	-	0.0	-	0.0	0.0	0.0	-	-	-	0.0	24.4
90.0	53.0	0.0	-	0.0	-	13.4	0.0	0.0	-	-	-	0.0	-
90.0	60.0	0.0	-	0.0	-	10.3	0.0	0.0	-	-	-	0.0	-
93.0	26.7	-	0.0	0.0	-	0.0	0.0	-	-	-	0.0	-	2.3
93.0	30.0	-	3.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	0.0
93.0	35.0	0.0	-	0.0	-	13.9	0.0	0.0	-	-	0.0	-	11.1
103.0	35.0	-	0.0	37.3	-	0.0	0.0	0.0	-	-	0.0	-	-
110.0	33.0	-	0.0	22.2	-	0.0	-	0.0	0.0	-	0.0	-	-

Sebastolobus spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
67.0	55.0	-	-	-	12.1	-	-	-	0.0	-	-	0.0	-
70.0	60.0	-	0.0	-	9.9	-	0.0	-	0.0	-	-	0.0	-
70.0	65.0	-	0.0	-	6.2	-	-	-	0.0	-	-	0.0	-
70.0	70.0	-	0.0	-	10.4	-	0.0	-	0.0	-	-	0.0	-
70.0	80.0	-	0.0	-	10.6	-	0.0	-	0.0	-	-	0.0	-
73.0	90.0	-	-	-	-	0.0	0.0	-	3.0	-	-	0.0	-
77.0	55.0	-	-	-	0.0	23.0	0.0	-	0.0	-	-	0.0	-
80.0	60.0	-	0.0	0.0	-	11.6	0.0	-	0.0	-	-	0.0	-
80.0	70.0	-	0.0	0.0	-	0.0	13.0	-	0.0	-	-	0.0	-
83.0	44.7	2.8	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	-
83.0	50.0	0.0	-	0.0	-	2.5	0.0	-	0.0	-	0.0	-	0.0
83.0	55.0	0.0	-	0.0	-	10.6	0.0	-	0.0	-	0.0	-	0.0
83.0	60.0	0.0	-	0.0	-	24.2	0.0	-	0.0	-	0.0	-	0.0
83.0	80.0	0.0	-	0.0	-	3.2	0.0	-	0.0	-	0.0	-	-
85.0	37.5	0.0	-	0.0	-	0.0	0.0	-	0.0	-	2.4	-	-

TABLE 4. (cont.)

Sebastolobus spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
87.0	55.0	0.0	–	0.0	–	10.7	0.0	–	0.0	–	0.0	–	0.0
90.0	60.0	0.0	–	0.0	–	10.3	0.0	0.0	–	–	–	0.0	–
93.0	70.0	0.0	–	0.0	–	0.0	0.0	3.0	–	–	–	0.0	–
97.0	70.0	0.0	–	0.0	–	0.0	0.0	3.8	–	–	0.0	–	–
100.0	90.0	–	–	–	–	–	–	2.6	–	–	0.0	–	–
130.0	29.0	–	0.0	–	0.0	0.0	–	–	0.0	–	2.2	–	–
133.0	21.0	–	0.0	–	0.0	–	–	–	0.0	–	1.5	–	–
137.0	40.0	–	0.0	–	0.0	–	–	–	11.0	–	0.0	–	–
137.0	50.0	–	0.0	–	0.0	–	–	–	2.8	–	0.0	–	–

Prionotus spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
113.0	31.0	–	0.0	0.0	–	0.0	–	2.7	0.0	–	0.0	–	–
117.0	70.0	–	–	0.0	–	–	–	0.0	0.0	–	3.3	–	–
120.0	40.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	29.1	–	–
120.0	45.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	25.9	–	–
130.0	26.0	–	0.0	–	0.0	0.0	–	–	0.0	–	2.2	–	–
130.0	27.0	–	0.0	–	0.0	0.0	–	–	0.0	–	2.1	–	–
130.0	28.0	–	0.0	–	0.0	0.0	–	–	0.0	–	4.3	–	–
133.0	20.6	–	0.0	–	0.0	–	–	–	0.0	–	5.2	–	–
133.0	21.0	–	0.0	–	0.0	–	–	–	0.0	–	3.1	–	–
137.0	20.7	–	0.0	–	0.0	–	–	–	0.0	–	1.9	–	–
137.0	22.0	–	0.0	–	0.0	–	–	–	0.0	–	18.5	–	–
137.0	23.0	–	0.0	–	0.0	–	–	–	0.0	–	5.1	–	–

Blennioidei

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
77.0	48.0	–	0.0	–	0.0	0.0	12.8	–	0.0	–	–	0.0	–
83.0	48.0	0.0	–	12.0	–	0.0	0.0	–	0.0	–	0.0	–	0.0
83.0	49.0	0.0	–	0.0	–	0.0	8.6	–	0.0	–	0.0	–	0.0
83.0	60.0	0.0	–	0.0	–	0.0	0.0	–	11.2	–	0.0	–	0.0
118.0	39.0	–	11.8	0.0	–	–	–	0.0	0.0	–	0.0	–	–

Hypsoblennius spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
81.5	43.5	0.0	–	0.0	–	0.0	0.0	–	0.0	–	2.6	–	–
81.5	44.5	0.0	–	0.0	–	0.0	0.0	–	2.3	–	0.0	–	–
83.0	39.4	0.0	–	0.0	–	0.0	0.0	–	14.1	–	0.0	–	0.0
83.0	43.0	0.0	–	0.0	–	0.0	0.0	–	12.7	–	0.0	–	0.0
85.0	37.2	–	0.0	0.0	–	0.0	8.2	–	16.3	–	0.0	–	–

TABLE 4. (cont.)

Hypsoblennius spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
85.0	37.5	0.0	-	0.0	-	0.0	0.0	-	2.9	-	0.0	-	-
87.0	32.5	-	0.0	0.0	-	0.0	0.0	-	8.1	-	12.6	-	1.8
87.0	32.7	-	0.0	0.0	-	0.0	0.0	-	15.4	-	5.1	-	0.0
88.5	30.4	-	0.0	0.0	-	0.0	0.0	10.8	-	-	2.0	-	0.0
88.5	31.0	-	0.0	0.0	-	0.0	0.0	-	2.3	-	0.0	-	0.0
90.0	27.6	-	0.0	0.0	-	0.0	25.4	39.5	-	-	0.0	-	0.0
91.5	26.5	-	0.0	0.0	-	0.0	19.7	-	-	-	0.0	-	0.0
91.5	26.8	-	0.0	-	-	-	3.0	41.0	-	-	2.8	-	0.0
91.5	28.0	-	0.0	0.0	-	0.0	13.3	0.0	-	-	0.0	-	0.0
93.0	26.9	-	2.8	0.0	-	0.0	10.7	2.3	-	-	11.1	-	0.0
95.0	28.0	-	0.0	0.0	-	0.0	14.0	0.0	-	-	0.0	-	-
95.0	29.0	-	0.0	0.0	-	0.0	0.0	2.2	-	-	2.0	-	-
95.0	30.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	2.0	-	-
97.0	28.8	0.0	-	0.0	-	0.0	0.0	1.5	-	-	0.0	-	-
97.0	29.0	0.0	-	0.0	-	0.0	2.6	12.8	-	-	0.0	-	-
97.0	30.0	0.0	-	0.0	-	0.0	8.2	0.0	-	-	0.0	-	-
100.0	29.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	11.3	-	-
100.0	31.0	-	0.0	0.0	-	0.0	0.0	2.6	-	-	0.0	-	-
103.0	28.8	-	0.0	0.0	-	0.0	0.0	0.0	-	-	2.9	-	-
107.0	30.3	-	0.0	0.0	-	-	0.0	-	0.7	-	0.0	-	-
107.0	30.6	-	0.0	0.0	-	-	0.0	-	6.5	-	0.0	-	-
113.0	29.0	-	0.0	0.0	-	0.0	-	0.0	1.6	-	0.0	-	-
113.0	30.0	-	0.0	0.0	-	0.0	-	0.0	2.1	-	0.0	-	-
113.0	31.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	10.6	-	-
113.0	40.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	11.5	-	-
117.0	25.0	-	0.0	0.0	-	-	-	0.0	5.3	-	4.2	-	-
117.0	28.0	-	2.8	0.0	-	-	-	0.0	0.0	-	0.0	-	-
120.0	22.4	-	0.0	1.6	-	0.0	-	0.0	0.0	-	3.7	-	-
120.0	22.7	-	0.0	1.8	-	0.0	-	0.0	0.0	-	2.9	-	-
120.0	23.0	-	0.0	0.0	-	0.0	-	0.0	5.4	-	2.5	-	-
120.0	24.0	-	0.0	0.0	-	0.0	-	0.0	8.3	-	0.0	-	-
120.0	25.0	-	0.0	0.0	-	0.0	-	2.7	0.0	-	0.0	-	-
120.0	30.0	-	0.0	0.0	-	0.0	-	0.0	10.1	-	0.0	-	-
120.0	45.0	-	3.1	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
123.0	35.7	-	0.0	-	0.0	0.0	-	-	1.4	-	43.5	-	-
123.0	36.0	-	0.0	-	0.0	0.0	-	-	5.0	-	10.6	-	-
127.0	32.6	-	0.0	-	0.0	-	-	-	1.3	-	160.4	-	-
127.0	33.0	-	2.7	-	0.0	-	-	-	5.4	-	33.4	-	-
127.0	34.0	-	8.3	-	0.0	-	-	-	0.0	-	10.8	-	-
127.0	36.0	-	8.9	-	0.0	-	-	-	11.4	-	0.0	-	-
130.0	25.6	-	0.0	-	3.8	0.0	-	-	0.0	-	0.0	-	-
130.0	26.0	-	0.0	-	0.0	0.0	-	-	1.8	-	0.0	-	-
130.0	27.0	-	0.0	-	0.0	0.0	-	-	2.1	-	4.2	-	-
130.0	29.0	-	0.0	-	0.0	0.0	-	-	6.8	-	0.0	-	-
130.0	35.0	-	0.0	-	0.0	0.0	-	-	11.4	-	0.0	-	-
133.0	20.6	-	0.0	-	0.0	-	-	-	0.0	-	10.3	-	-

TABLE 4. (cont.)

Hypsoblennius spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
133.0	21.0	–	0.0	–	2.5	–	–	–	0.0	–	1.5	–	–
133.0	22.0	–	0.0	–	0.0	–	–	–	7.1	–	0.0	–	–
133.0	23.0	–	0.0	–	0.0	–	–	–	2.5	–	2.7	–	–
133.0	24.0	–	0.0	–	0.0	–	–	–	218.4	–	0.0	–	–
133.0	40.0	–	0.0	–	0.0	–	–	–	2.7	–	0.0	–	–
137.0	20.7	–	0.0	–	0.0	–	–	–	0.0	–	13.2	–	–
137.0	22.0	–	0.0	–	2.6	–	–	–	0.0	–	10.3	–	–
137.0	23.0	–	0.0	–	0.0	–	–	–	2.3	–	12.8	–	–

Clinidae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
63.0	50.0	–	0.0	–	4.5	–	–	–	–	–	–	8.2	–
73.0	50.0	–	0.0	–	22.5	–	0.0	–	0.0	–	–	0.0	–
77.0	48.0	–	0.0	–	0.0	0.0	0.0	–	14.7	–	–	0.0	–
77.0	51.0	–	0.0	–	11.9	0.0	0.0	–	–	–	–	0.0	–
80.0	50.1	–	0.0	1.8	–	0.0	0.0	–	0.0	–	–	1.7	–
81.5	43.5	0.0	–	0.0	–	0.0	0.0	–	0.0	–	2.6	–	–
81.5	44.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	5.8	–	–
83.0	42.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	11.2	–	0.0
83.0	45.0	9.1	–	0.0	–	0.0	0.0	–	0.0	–	10.4	–	11.8
83.0	49.0	0.0	–	0.0	–	0.0	0.0	–	18.3	–	4.6	–	0.0
83.0	50.0	2.0	–	5.3	–	0.0	0.0	–	2.0	–	2.4	–	0.0
83.0	51.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	3.2	–	0.0
85.0	37.5	0.0	–	0.0	–	0.0	0.0	–	2.9	–	0.0	–	–
85.0	40.0	0.0	–	0.0	–	12.2	0.0	–	0.0	–	0.0	–	–
87.0	35.0	–	0.0	0.0	–	22.8	0.0	–	0.0	–	0.0	–	0.0
87.0	50.0	21.1	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	0.0
88.5	32.0	–	0.0	0.0	–	10.0	0.0	–	0.0	–	0.0	–	0.0
90.0	27.6	–	0.0	0.0	–	2.2	0.0	0.0	–	–	0.0	–	0.0
91.5	27.0	–	–	0.0	–	11.6	–	–	–	–	–	–	–
93.0	26.9	–	0.0	0.0	–	16.6	0.0	0.0	–	–	0.0	–	2.9
95.0	28.0	–	0.0	0.0	–	7.7	7.0	2.0	–	–	2.1	–	–
95.0	29.0	–	0.0	0.0	–	0.0	0.0	2.2	–	–	0.0	–	–
95.0	30.0	–	0.0	0.0	–	26.5	0.0	0.0	–	–	0.0	–	–
95.0	31.0	–	0.0	12.3	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	28.8	0.0	–	0.0	–	0.0	2.3	4.5	–	–	0.0	–	–
97.0	29.0	0.0	–	0.0	–	13.2	0.0	5.1	–	–	0.0	–	–
97.0	30.0	2.2	–	0.0	–	103.3	5.5	0.0	–	–	0.0	–	–
103.0	28.8	–	0.0	0.0	–	8.4	0.0	0.0	–	–	0.0	–	–
103.0	29.0	–	0.0	0.0	–	10.9	0.0	0.0	–	–	1.6	–	–
103.0	30.0	–	0.0	10.8	–	35.0	0.0	0.0	–	–	0.0	–	–
103.0	31.0	–	0.0	21.3	–	0.0	0.0	0.0	–	–	0.0	–	–
107.0	30.3	–	0.0	4.2	–	–	0.0	–	0.0	–	0.0	–	–
107.0	30.6	–	0.0	0.0	–	–	0.0	–	0.0	–	1.8	–	–

TABLE 4. (cont.)

Clinidae (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
107.0	31.0	-	0.0	0.0	-	-	9.2	-	0.0	-	8.8	-	-
110.0	32.4	-	2.4	9.7	-	159.6	-	0.0	-	-	0.0	-	-
110.0	33.0	-	2.7	44.5	-	18.6	-	0.0	0.0	-	0.0	-	-
110.0	34.0	-	0.0	0.0	-	3.4	-	0.0	0.0	-	0.0	-	-
110.0	35.0	-	0.0	0.0	-	13.6	-	0.0	0.0	-	0.0	-	-
113.0	28.8	-	0.0	2.0	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	29.0	-	0.0	0.0	-	0.0	-	4.2	3.3	-	0.0	-	-
113.0	31.0	-	0.0	0.0	-	0.0	-	0.0	2.2	-	0.0	-	-
120.0	24.0	-	0.0	0.0	-	0.0	-	0.0	8.3	-	0.0	-	-
120.0	40.0	-	0.0	4.3	-	4.2	-	0.0	0.0	-	0.0	-	-
123.0	35.7	-	2.5	-	0.0	0.0	-	-	0.0	-	0.0	-	-
123.0	37.0	-	0.0	-	2.6	0.0	-	-	0.0	-	0.0	-	-
123.0	38.0	-	2.4	-	0.0	0.0	-	-	0.0	-	0.0	-	-
127.0	32.6	-	6.9	-	0.0	-	-	-	0.0	-	16.9	-	-
130.0	25.6	-	0.0	-	0.0	0.0	-	-	0.0	-	2.4	-	-
137.0	22.0	-	0.0	-	0.0	-	-	-	0.0	-	2.1	-	-
137.0	35.0	-	0.0	-	0.0	-	-	-	12.8	-	0.0	-	-

Gobiidae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	50.0	-	7.7	-	0.0	-	-	-	0.0	-	-	0.0	-
60.0	55.0	-	0.0	-	0.0	-	-	-	0.0	-	-	11.8	-
63.0	52.0	-	0.0	-	0.0	-	-	-	0.0	-	-	12.4	-
70.0	53.0	-	0.0	-	0.0	-	11.6	-	0.0	-	-	0.0	-
70.0	60.0	-	0.0	-	4.9	-	0.0	-	0.0	-	-	0.0	-
73.0	50.0	-	11.9	-	0.0	-	0.0	-	0.0	-	-	0.0	-
73.0	53.0	-	0.0	-	13.1	0.0	0.0	-	0.0	-	-	0.0	-
80.0	50.1	-	0.0	1.8	-	0.0	0.0	-	0.0	-	-	0.0	-
80.0	51.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	-	2.6	-
80.0	52.0	-	29.0	0.0	-	0.0	0.0	-	9.4	-	-	0.0	-
81.5	43.5	0.0	-	0.0	-	62.4	2.7	-	0.0	-	0.0	-	-
81.5	44.0	2.7	-	0.0	-	34.6	0.0	-	0.0	-	2.9	-	-
81.5	44.5	0.0	-	0.0	-	0.0	0.0	-	6.8	-	0.0	-	-
83.0	41.0	0.0	-	0.0	-	0.0	10.3	-	0.0	-	0.0	-	0.0
83.0	42.0	12.6	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	0.0
83.0	43.0	0.0	-	0.0	-	15.5	12.6	-	12.7	-	0.0	-	0.0
83.0	44.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	9.2	-	0.0
83.0	44.7	2.8	-	0.0	-	10.9	2.3	-	0.0	-	0.0	-	-
83.0	45.0	0.0	-	0.0	-	0.0	0.0	-	44.8	-	0.0	-	0.0
83.0	48.0	0.0	-	0.0	-	0.0	11.9	-	10.0	-	0.0	-	0.0
83.0	49.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	1.4
83.0	50.0	6.1	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	0.0
83.0	51.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	3.2	-	0.0
85.0	37.2	-	2.3	2.5	-	0.0	0.0	-	2.0	-	0.0	-	-

TABLE 4. (cont.)

Gobiidae (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
85.0	37.5	0.0	-	0.0	-	8.4	0.0	-	0.0	-	0.0	-	-
87.0	32.5	-	1.9	1.8	-	0.0	0.0	-	0.0	-	0.0	-	0.0
87.0	32.7	-	0.0	10.8	-	0.0	0.0	-	7.7	-	0.0	-	0.0
87.0	33.0	-	5.0	77.5	-	21.7	0.0	-	0.0	-	9.0	-	0.0
87.0	34.0	-	0.0	0.0	-	0.0	0.0	-	12.1	-	0.0	-	3.0
87.0	35.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	-	6.8
87.0	36.0	-	0.0	12.2	-	13.0	0.0	-	0.0	-	0.0	-	0.0
87.0	50.0	0.0	-	22.6	-	0.0	10.4	-	0.0	-	0.0	-	0.0
87.0	55.0	0.0	-	12.6	-	0.0	0.0	-	0.0	-	0.0	-	0.0
88.5	30.4	-	4.0	2.1	-	0.0	0.0	0.0	-	-	0.0	-	0.0
88.5	31.0	-	11.8	0.0	-	0.0	4.3	-	0.0	-	0.0	-	0.0
88.5	32.0	-	0.0	2.6	-	0.0	0.0	-	0.0	-	0.0	-	2.7
90.0	27.6	-	0.0	0.0	-	19.4	16.2	0.0	-	-	0.0	-	0.0
90.0	70.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-	2.8	-
91.5	26.8	-	7.9	-	-	-	9.0	5.1	-	-	0.0	-	0.0
91.5	28.0	-	0.0	0.0	-	0.0	0.0	2.8	-	-	0.0	-	0.0
93.0	26.7	-	0.0	2.1	-	0.0	0.0	-	-	-	1.6	-	2.3
93.0	26.9	-	5.6	0.0	-	16.6	0.0	0.0	-	-	0.0	-	0.0
93.0	29.0	-	0.0	0.0	-	0.0	0.0	11.3	-	-	0.0	-	0.0
95.0	28.0	-	0.0	0.0	-	0.0	7.0	0.0	-	-	0.0	-	-
95.0	29.0	-	0.0	0.0	-	11.2	17.9	0.0	-	-	2.0	-	-
95.0	30.0	-	0.0	0.0	-	13.2	0.0	2.3	-	-	2.0	-	-
95.0	31.0	-	11.2	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
95.0	32.0	-	0.0	0.0	-	27.8	13.9	0.0	-	-	0.0	-	-
97.0	28.8	0.0	-	0.0	-	0.0	0.0	1.5	-	-	0.0	-	-
97.0	29.0	0.0	-	0.0	-	0.0	2.6	0.0	-	-	8.0	-	-
97.0	30.0	2.2	-	2.6	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	31.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	11.0	-	-
97.0	32.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	45.6	-	-
97.0	40.0	2.6	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
100.0	29.0	-	0.0	0.0	-	11.8	0.0	0.0	-	-	0.0	-	-
100.0	30.0	-	-	0.0	-	0.0	0.0	-	-	-	18.2	-	-
100.0	31.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	2.8	-	-
100.0	32.0	-	0.0	0.0	-	0.0	0.0	5.3	-	-	0.0	-	-
103.0	28.8	-	0.0	0.0	-	0.0	0.0	2.1	-	-	0.0	-	-
103.0	29.0	-	0.0	0.0	-	0.0	11.5	7.7	-	-	1.6	-	-
103.0	30.0	-	0.0	0.0	-	0.0	0.0	10.0	-	-	17.0	-	-
103.0	31.0	-	0.0	0.0	-	0.0	0.0	22.8	-	-	0.0	-	-
107.0	30.3	-	0.0	0.0	-	-	1.9	-	0.7	-	0.0	-	-
107.0	30.6	-	0.0	0.0	-	-	0.0	-	0.0	-	3.7	-	-
107.0	31.0	-	0.0	0.0	-	-	64.7	-	2.3	-	0.0	-	-
107.0	32.0	-	0.0	0.0	-	-	0.0	-	10.9	-	0.0	-	-
107.0	34.0	-	0.0	0.0	-	-	0.0	-	0.0	-	5.5	-	-
107.0	35.0	-	0.0	0.0	-	-	0.0	-	0.0	-	10.9	-	-
110.0	32.4	-	0.0	0.0	-	0.0	-	13.1	-	-	35.0	-	-
110.0	33.0	-	2.7	0.0	-	0.0	-	0.0	0.0	-	9.4	-	-

TABLE 4. (cont.)

Gobiidae (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
110.0	34.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	10.3	-	-
110.0	35.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	47.0	-	-
110.0	40.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.9	-	-
113.0	28.8	-	0.0	0.0	-	0.0	-	0.0	0.0	-	1.3	-	-
113.0	30.0	-	0.0	8.3	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	31.0	-	0.0	10.7	-	0.0	-	0.0	2.2	-	0.0	-	-
113.0	32.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	11.4	-	-
113.0	35.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	22.2	-	-
117.0	25.0	-	5.1	0.0	-	-	-	0.0	0.0	-	2.1	-	-
117.0	35.0	-	0.0	0.0	-	-	-	0.0	10.6	-	0.0	-	-
118.0	39.0	-	11.8	0.0	-	-	-	11.8	0.0	-	0.0	-	-
120.0	22.4	-	0.0	0.0	-	4.9	-	0.0	0.0	-	0.0	-	-
120.0	22.7	-	0.0	0.0	-	0.0	-	1.9	0.0	-	0.0	-	-
120.0	23.0	-	0.0	0.0	-	0.0	-	1.9	0.0	-	0.0	-	-
120.0	24.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.5	-	-
120.0	25.0	-	0.0	2.5	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	26.0	-	0.0	2.5	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	35.0	-	0.0	13.8	-	0.0	-	0.0	10.6	-	0.0	-	-
120.0	40.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	3.9	-	-
123.0	36.0	-	5.0	-	0.0	0.0	-	-	0.0	-	0.0	-	-
123.0	42.0	-	0.0	-	0.0	0.0	-	-	0.0	-	10.8	-	-
127.0	32.6	-	0.0	-	0.0	-	-	-	2.5	-	0.0	-	-
127.0	34.0	-	0.0	-	0.0	-	-	-	0.0	-	10.8	-	-
130.0	25.6	-	6.9	-	2.5	1.7	-	-	0.0	-	14.6	-	-
133.0	20.6	-	11.6	-	0.0	-	-	-	0.0	-	0.0	-	-
133.0	21.0	-	2.2	-	0.0	-	-	-	0.0	-	0.0	-	-
133.0	22.0	-	2.5	-	0.0	-	-	-	0.0	-	0.0	-	-
137.0	20.7	-	2.0	-	0.0	-	-	-	0.0	-	0.0	-	-

Icosteus aenigmaticus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
67.0	80.0	-	0.0	-	11.4	-	-	-	-	-	-	-	-

Halichoeres spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
113.0	80.0	-	-	0.0	-	-	-	0.0	0.0	-	6.1	-	-
117.0	25.0	-	0.0	0.0	-	-	-	0.0	0.0	-	4.2	-	-
117.0	26.0	-	0.0	0.0	-	-	-	0.0	0.0	-	2.8	-	-
117.0	30.0	-	0.0	0.0	-	-	-	0.0	0.0	-	4.9	-	-
117.0	70.0	-	-	0.0	-	-	-	0.0	0.0	-	6.5	-	-
117.0	80.0	-	-	0.0	-	-	-	0.0	0.0	-	4.7	-	-
120.0	24.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.5	-	-

TABLE 4. (cont.)

Halichoeres spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
120.0	25.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	19.0	–	–
120.0	40.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	11.6	–	–
120.0	45.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	181.4	–	–
120.0	50.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	19.8	–	–
123.0	35.7	–	0.0	–	0.0	0.0	–	–	0.0	–	2.1	–	–
123.0	39.0	–	0.0	–	0.0	0.0	–	–	0.0	–	11.6	–	–
123.0	50.0	–	0.0	0.0	–	0.0	–	–	0.0	–	21.9	–	–
127.0	33.0	–	0.0	–	0.0	–	–	–	0.0	–	11.1	–	–
127.0	34.0	–	0.0	–	0.0	–	–	–	0.0	–	21.5	–	–
127.0	35.0	–	0.0	–	0.0	–	–	–	0.0	–	14.2	–	–
130.0	25.6	–	0.0	–	0.0	0.0	–	–	0.0	–	2.4	–	–
130.0	27.0	–	0.0	–	0.0	0.0	–	–	0.0	–	4.2	–	–
130.0	28.0	–	0.0	–	0.0	0.0	–	–	0.0	–	6.4	–	–
130.0	29.0	–	0.0	–	0.0	0.0	–	–	0.0	–	2.2	–	–
133.0	20.6	–	0.0	–	0.0	–	–	–	0.0	–	5.2	–	–
137.0	20.7	–	0.0	–	0.0	–	–	–	0.0	–	7.6	–	–
137.0	22.0	–	0.0	–	0.0	–	–	–	2.2	–	61.8	–	–
137.0	23.0	–	0.0	–	0.0	–	–	–	0.0	–	5.1	–	–

Oxyjulis californica

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
81.5	45.0	0.0	–	0.0	–	0.0	0.0	–	14.1	–	0.0	–	–
83.0	44.0	0.0	–	0.0	–	0.0	0.0	–	7.3	–	0.0	–	0.0
83.0	44.7	0.0	–	0.0	–	0.0	0.0	–	12.0	–	0.0	–	–
83.0	49.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	4.6	–	0.0
83.0	50.0	0.0	–	0.0	–	0.0	0.0	–	2.0	–	0.0	–	0.0
90.0	80.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–	2.8	–
91.5	26.8	–	0.0	–	–	–	9.0	0.0	–	–	0.0	–	0.0
91.5	30.0	–	0.0	0.0	–	0.0	11.7	0.0	–	–	12.1	–	0.0
93.0	90.0	0.0	–	0.0	–	–	0.0	0.0	–	–	–	2.9	–
97.0	50.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	2.8	–	–
100.0	35.0	–	–	0.0	–	0.0	0.0	0.0	–	–	10.6	–	–
103.0	28.8	–	0.0	0.0	–	0.0	0.0	0.0	–	–	4.4	–	–
103.0	45.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	10.6	–	–
107.0	34.0	–	0.0	0.0	–	–	0.0	–	0.0	–	2.8	–	–
107.0	70.0	–	–	0.0	–	–	0.0	5.7	–	–	0.0	–	–
107.0	80.0	–	–	0.0	–	–	0.0	2.7	–	–	0.0	–	–
110.0	32.0	–	–	–	–	–	–	–	5.3	–	–	–	–
110.0	32.4	–	0.0	0.0	–	0.0	–	13.1	–	–	0.0	–	–
110.0	35.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	2.9	–	–
117.0	60.0	–	0.0	0.0	–	–	–	0.0	2.7	–	0.0	–	–
120.0	22.7	–	0.0	0.0	–	0.0	–	0.0	0.0	–	2.9	–	–
127.0	50.0	–	0.0	–	0.0	–	–	–	0.0	–	11.8	–	–

TABLE 4. (cont.)

Semicossyphus pulcher

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
85.0	37.2	–	0.0	0.0	–	0.0	8.2	–	0.0	–	0.0	–	–
113.0	45.0	–	0.0	0.0	–	0.0	–	12.8	0.0	–	0.0	–	–
120.0	24.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	2.5	–	–
120.0	30.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	2.5	–	–
127.0	32.6	–	0.0	–	0.0	–	–	–	0.0	–	16.9	–	–
127.0	33.0	–	0.0	–	0.0	–	–	–	0.0	–	11.1	–	–
127.0	34.0	–	0.0	–	0.0	–	–	–	0.0	–	10.8	–	–
127.0	50.0	–	0.0	–	0.0	–	–	–	0.0	–	11.8	–	–

Chromis punctipinnis

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
81.5	44.5	0.0	–	0.0	–	0.0	0.0	–	2.3	–	0.0	–	–
83.0	41.0	0.0	–	0.0	–	0.0	0.0	–	2.7	–	0.0	–	0.0
83.0	44.0	0.0	–	0.0	–	0.0	0.0	–	14.6	–	0.0	–	0.0
83.0	48.0	0.0	–	0.0	–	0.0	0.0	–	10.0	–	0.0	–	0.0
91.5	29.0	–	0.0	0.0	–	0.0	0.0	3.1	–	–	0.0	–	0.0
95.0	28.0	–	0.0	0.0	–	0.0	0.0	2.0	–	–	0.0	–	–
95.0	29.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.0	–	–
95.0	30.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.0	–	–
113.0	35.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	33.2	–	–
118.0	39.0	–	0.0	0.0	–	–	–	0.0	0.0	–	10.0	–	–
120.0	24.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	2.5	–	–
120.0	40.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	9.7	–	–
123.0	35.7	–	0.0	–	0.0	0.0	–	–	0.0	–	4.1	–	–
123.0	37.0	–	0.0	–	0.0	0.0	–	–	0.0	–	54.2	–	–
123.0	38.0	–	0.0	–	0.0	0.0	–	–	0.0	–	18.7	–	–
123.0	39.0	–	0.0	–	0.0	0.0	–	–	0.0	–	23.1	–	–
127.0	32.6	–	0.0	–	0.0	–	–	–	0.0	–	8.4	–	–
127.0	33.0	–	0.0	–	0.0	–	–	–	0.0	–	200.2	–	–
127.0	34.0	–	0.0	–	0.0	–	–	–	0.0	–	107.6	–	–
127.0	35.0	–	0.0	–	0.0	–	–	–	0.0	–	113.6	–	–
127.0	36.0	–	0.0	–	0.0	–	–	–	0.0	–	46.6	–	–
130.0	35.0	–	0.0	–	0.0	0.0	–	–	0.0	–	11.8	–	–

Hypsypops rubicundus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
123.0	35.7	–	0.0	–	0.0	0.0	–	–	0.0	–	2.1	–	–
123.0	37.0	–	0.0	–	0.0	0.0	–	–	0.0	–	9.0	–	–
123.0	39.0	–	0.0	–	0.0	0.0	–	–	0.0	–	23.1	–	–

TABLE 4. (cont.)

Howella brodiei

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
113.0	80.0	–	–	0.0	–	–	–	0.0	2.3	–	0.0	–	–

Brama spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
103.0	35.0	–	0.0	12.4	–	0.0	0.0	0.0	–	–	0.0	–	–
103.0	80.0	–	0.0	0.0	–	–	0.0	0.0	–	–	2.6	–	–
130.0	60.0	–	0.0	–	0.0	0.0	–	–	0.0	–	2.8	–	–

Carangidae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
120.0	40.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	3.9	–	–
130.0	27.0	–	0.0	–	0.0	0.0	–	–	0.0	–	4.2	–	–
130.0	28.0	–	0.0	–	0.0	0.0	–	–	0.0	–	8.6	–	–
133.0	20.6	–	0.0	–	0.0	–	–	–	0.0	–	10.3	–	–
133.0	21.0	–	0.0	–	0.0	–	–	–	0.0	–	15.4	–	–
133.0	23.0	–	0.0	–	0.0	–	–	–	0.0	–	2.7	–	–
137.0	20.7	–	0.0	–	0.0	–	–	–	0.0	–	17.0	–	–
137.0	22.0	–	0.0	–	0.0	–	–	–	0.0	–	296.6	–	–
137.0	23.0	–	0.0	–	0.0	–	–	–	0.0	–	28.3	–	–
137.0	35.0	–	0.0	–	0.0	–	–	–	12.8	–	0.0	–	–

Seriola lalandi

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
90.0	90.0	0.0	–	0.0	–	12.4	0.0	0.0	–	–	–	0.0	–
110.0	60.0	–	0.0	11.8	–	0.0	–	0.0	0.0	–	0.0	–	–
127.0	35.0	–	0.0	–	0.0	–	–	–	0.0	–	28.4	–	–
127.0	36.0	–	0.0	–	0.0	–	–	–	0.0	–	9.3	–	–
130.0	40.0	–	0.0	–	0.0	0.0	–	–	11.6	–	0.0	–	–

Trachurus symmetricus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
77.0	80.0	–	0.0	–	–	0.0	0.0	–	14.3	–	–	0.0	–
77.0	90.0	–	–	–	–	2.9	0.0	–	0.0	–	–	0.0	–
80.0	80.0	–	0.0	0.0	–	0.0	0.0	–	47.0	–	–	0.0	–
80.0	90.0	–	0.0	0.0	–	53.6	0.0	–	0.0	–	–	0.0	–
83.0	60.0	0.0	–	0.0	–	0.0	0.0	–	11.2	–	0.0	–	0.0
83.0	80.0	0.0	–	0.0	–	0.0	0.0	–	5.5	–	0.0	–	–
83.0	90.0	–	0.0	0.0	–	0.0	0.0	–	2.9	–	0.0	–	–

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
85.0	37.2	–	0.0	0.0	–	0.0	0.0	–	18.4	–	0.0	–	–
85.0	37.5	0.0	–	0.0	–	0.0	0.0	–	2.9	–	0.0	–	–
85.0	38.0	0.0	–	12.9	–	0.0	0.0	–	0.0	–	0.0	–	–
87.0	50.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	11.0
87.0	70.0	0.0	–	0.0	–	0.0	0.0	–	49.5	–	0.0	–	–
87.0	80.0	0.0	–	0.0	–	0.0	0.0	–	31.6	–	0.0	–	–
87.0	90.0	0.0	–	0.0	–	0.0	0.0	–	58.9	–	0.0	–	–
90.0	70.0	0.0	–	0.0	–	0.0	0.0	12.4	–	–	–	0.0	–
90.0	90.0	0.0	–	0.0	–	0.0	0.0	20.4	–	–	–	0.0	–
93.0	60.0	0.0	–	0.0	–	0.0	0.0	35.3	–	–	–	0.0	–
93.0	80.0	0.0	–	0.0	–	0.0	0.0	39.9	–	–	–	0.0	–
93.0	90.0	0.0	–	0.0	–	–	0.0	3.1	–	–	–	0.0	–
95.0	30.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.0	–	–
97.0	32.0	0.0	–	0.0	–	0.0	0.0	32.9	–	–	0.0	–	–
97.0	45.0	0.0	–	0.0	–	0.0	0.0	378.9	–	–	5.2	–	–
97.0	55.0	0.0	–	0.0	–	0.0	0.0	10.6	–	–	0.0	–	–
97.0	70.0	0.0	–	0.0	–	6.5	0.0	7.5	–	–	0.0	–	–
97.0	80.0	0.0	–	0.0	–	72.9	0.0	43.2	–	–	0.0	–	–
97.0	90.0	0.0	–	0.0	–	–	0.0	19.4	–	–	0.0	–	–
100.0	29.0	–	0.0	0.0	–	0.0	0.0	24.6	–	–	0.0	–	–
100.0	35.0	–	–	0.0	–	0.0	0.0	10.5	–	–	0.0	–	–
100.0	50.0	–	0.0	0.0	–	13.7	0.0	0.0	–	–	0.0	–	–
100.0	60.0	–	0.0	0.0	–	75.6	0.0	31.8	–	–	0.0	–	–
100.0	70.0	–	0.0	0.0	–	878.2	0.0	53.2	–	–	0.0	–	–
100.0	80.0	–	0.0	0.0	–	429.4	12.3	0.0	–	–	0.0	–	–
100.0	90.0	–	–	–	–	–	–	18.1	–	–	0.0	–	–
103.0	28.8	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.9	–	–
103.0	30.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	8.5	–	–
103.0	45.0	–	0.0	0.0	–	0.0	191.4	10.0	–	–	0.0	–	–
103.0	50.0	–	0.0	0.0	–	28.9	97.6	10.7	–	–	0.0	–	–
103.0	60.0	–	0.0	0.0	–	27.4	24.3	21.5	–	–	0.0	–	–
103.0	70.0	–	0.0	0.0	–	23.9	5.9	30.6	–	–	0.0	–	–
103.0	80.0	–	0.0	0.0	–	–	30.7	29.1	–	–	0.0	–	–
103.0	90.0	–	–	–	–	–	–	25.7	–	–	0.0	–	–
107.0	30.6	–	0.0	0.0	–	–	2.1	–	0.0	–	0.0	–	–
107.0	31.0	–	0.0	0.0	–	–	27.7	–	0.0	–	0.0	–	–
107.0	32.0	–	0.0	0.0	–	–	36.8	–	0.0	–	0.0	–	–
107.0	35.0	–	0.0	0.0	–	–	25.1	–	0.0	–	0.0	–	–
107.0	60.0	–	0.0	0.0	–	–	141.1	–	20.7	–	0.0	–	–
107.0	70.0	–	–	0.0	–	–	8.6	17.1	–	–	0.0	–	–
107.0	80.0	–	–	0.0	–	–	5.4	19.0	–	–	0.0	–	–
107.0	90.0	–	–	–	–	–	–	5.7	–	–	0.0	–	–
110.0	32.4	–	0.0	0.0	–	0.0	–	13.1	–	–	0.0	–	–
110.0	33.0	–	0.0	0.0	–	0.0	–	24.8	4.8	–	0.0	–	–
110.0	34.0	–	0.0	0.0	–	0.0	–	12.2	0.0	–	0.0	–	–
110.0	35.0	–	0.0	0.0	–	27.1	–	0.0	10.8	–	2.9	–	–

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
110.0	40.0	–	0.0	0.0	–	14.3	–	0.0	0.0	–	0.0	–	–
110.0	45.0	–	0.0	0.0	–	54.2	–	12.3	20.0	–	0.0	–	–
110.0	50.0	–	0.0	0.0	–	27.2	–	0.0	39.7	–	0.0	–	–
110.0	55.0	–	0.0	0.0	–	6.8	–	51.8	20.5	–	0.0	–	–
110.0	60.0	–	0.0	0.0	–	13.3	–	437.8	9.1	–	0.0	–	–
110.0	70.0	–	–	0.0	–	–	–	29.0	7.9	–	0.0	–	–
110.0	80.0	–	–	0.0	–	–	–	0.0	20.3	–	0.0	–	–
113.0	45.0	–	0.0	0.0	–	15.2	–	0.0	0.0	–	0.0	–	–
113.0	50.0	–	0.0	0.0	–	45.0	–	161.4	0.0	–	0.0	–	–
113.0	60.0	–	0.0	0.0	–	13.2	–	0.0	0.0	–	0.0	–	–
113.0	70.0	–	–	0.0	–	0.0	–	9.0	17.6	–	0.0	–	–
113.0	80.0	–	–	0.0	–	–	–	8.7	6.9	–	0.0	–	–
117.0	35.0	–	0.0	0.0	–	–	–	11.3	0.0	–	0.0	–	–
117.0	60.0	–	0.0	0.0	–	–	–	17.6	0.0	–	0.0	–	–
117.0	70.0	–	–	0.0	–	–	–	9.2	8.1	–	0.0	–	–
117.0	80.0	–	–	0.0	–	–	–	10.9	2.8	–	0.0	–	–
119.0	33.0	–	0.0	0.0	–	12.4	–	0.0	0.0	–	0.0	–	–
120.0	45.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	13.0	–	–
120.0	50.0	–	0.0	0.0	–	26.1	–	0.0	0.0	–	0.0	–	–
120.0	60.0	–	0.0	0.0	–	55.8	–	0.0	0.0	–	0.0	–	–
120.0	70.0	–	–	0.0	–	6.3	–	8.6	2.7	–	0.0	–	–
120.0	80.0	–	–	0.0	–	–	–	6.3	0.0	–	0.0	–	–
123.0	37.0	–	0.0	–	0.0	0.0	–	–	2.0	–	0.0	–	–
123.0	45.0	–	0.0	0.0	–	0.0	–	–	19.4	–	0.0	–	–
123.0	50.0	–	0.0	0.0	–	14.8	–	–	10.9	–	0.0	–	–
123.0	60.0	–	0.0	0.0	–	13.8	–	–	0.0	–	0.0	–	–
127.0	50.0	–	0.0	–	0.0	–	–	–	2.6	–	0.0	–	–
130.0	27.0	–	0.0	–	0.0	7.9	–	–	0.0	–	27.0	–	–
133.0	30.0	–	0.0	–	0.0	–	–	–	10.0	–	0.0	–	–

Coryphaena hippurus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
117.0	40.0	–	6.4	0.0	–	–	–	0.0	0.0	–	0.0	–	–
133.0	21.0	–	0.0	–	0.0	–	–	–	0.0	–	1.5	–	–
133.0	22.0	–	0.0	–	0.0	–	–	–	0.0	–	3.7	–	–
133.0	23.0	–	0.0	–	0.0	–	–	–	0.0	–	5.4	–	–
137.0	40.0	–	0.0	–	0.0	–	–	–	11.0	–	0.0	–	–

Gerreidae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
130.0	28.0	–	0.0	–	0.0	0.0	–	–	0.0	–	2.1	–	–
133.0	21.0	–	0.0	–	0.0	–	–	–	0.0	–	3.1	–	–

TABLE 4. (cont.)

Gerreidae (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
133.0	22.0	–	0.0	–	0.0	–	–	–	0.0	–	1.9	–	–
137.0	20.7	–	0.0	–	0.0	–	–	–	0.0	–	11.3	–	–
137.0	22.0	–	0.0	–	0.0	–	–	–	0.0	–	12.4	–	–

Haemulidae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
88.5	34.0	–	0.0	0.0	–	0.0	13.4	–	0.0	–	0.0	–	0.0
113.0	29.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	7.5	–	–
117.0	25.0	–	0.0	0.0	–	–	–	0.0	0.0	–	6.2	–	–
133.0	21.0	–	0.0	–	0.0	–	–	–	0.0	–	3.1	–	–
137.0	20.7	–	0.0	–	0.0	–	–	–	1.4	–	0.0	–	–
137.0	22.0	–	0.0	–	0.0	–	–	–	19.4	–	18.5	–	–
137.0	23.0	–	0.0	–	0.0	–	–	–	14.1	–	0.0	–	–

Girella nigricans

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
88.5	34.0	–	0.0	0.0	–	0.0	13.4	–	0.0	–	0.0	–	0.0

Medialuna californiensis

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
97.0	45.0	0.0	–	0.0	–	0.0	0.0	30.7	–	–	0.0	–	–
100.0	50.0	–	0.0	0.0	–	0.0	0.0	11.8	–	–	0.0	–	–
107.0	70.0	–	–	0.0	–	–	0.0	2.8	–	–	0.0	–	–

Caulolatilus princeps

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
120.0	35.0	–	0.0	0.0	–	0.0	–	0.0	31.7	–	0.0	–	–
130.0	35.0	–	0.0	–	0.0	0.0	–	–	0.0	–	11.8	–	–

Sciaenidae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	50.0	–	23.2	–	0.0	–	–	–	0.0	–	–	91.1	–
60.0	52.0	–	10.9	–	2.5	–	–	–	0.0	–	–	0.0	–
63.0	50.0	–	6.0	–	3.4	–	–	–	–	–	–	0.0	–
63.0	52.0	–	19.2	–	11.7	–	–	–	0.0	–	–	24.7	–
66.0	49.0	–	–	–	72.4	–	–	–	0.0	–	–	36.8	–

TABLE 4. (cont.)

Sciaenidae (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
67.0	49.0	-	21.8	-	-	-	-	-	-	-	-	-	-
67.0	50.0	-	0.0	-	13.1	-	-	-	0.0	-	-	0.0	-
70.0	51.0	-	36.2	-	0.0	-	0.0	-	0.0	-	-	0.0	-
73.0	50.0	-	0.0	-	5.6	-	0.0	-	0.0	-	-	0.0	-
73.0	53.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	-	11.4	-
73.0	65.0	-	0.0	-	23.4	0.0	0.0	-	0.0	-	-	0.0	-
77.0	48.0	-	0.0	-	37.8	0.0	0.0	-	0.0	-	-	4.7	-
77.0	51.0	-	8.6	-	11.9	0.0	0.0	-	-	-	-	70.6	-
77.0	60.0	-	0.0	-	12.9	0.0	0.0	-	0.0	-	-	0.0	-
80.0	50.1	-	0.0	51.0	-	11.4	0.0	-	1.7	-	-	3.5	-
80.0	51.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	-	2.6	-
80.0	52.0	-	0.0	29.6	-	77.0	0.0	-	0.0	-	-	0.0	-
81.5	43.5	0.0	-	0.0	-	321.1	2.7	-	2.0	-	5.2	-	-
81.5	44.0	2.7	-	5.3	-	414.7	0.0	-	0.0	-	0.0	-	-
81.5	44.5	27.5	-	44.3	-	53.8	0.0	-	0.0	-	0.0	-	-
81.5	45.0	13.0	-	0.0	-	0.0	0.0	-	0.0	-	10.9	-	-
81.5	46.0	0.0	-	26.6	-	0.0	0.0	-	0.0	-	0.0	-	-
81.5	47.0	0.0	-	26.5	-	25.5	0.0	-	0.0	-	0.0	-	-
83.0	39.4	0.0	-	84.6	-	8.4	0.0	-	0.0	-	0.0	-	33.0
83.0	40.6	0.0	-	120.3	-	29.8	0.0	-	0.0	-	7.8	-	-
83.0	41.0	0.0	-	136.8	-	0.0	0.0	-	0.0	-	5.5	-	0.0
83.0	42.0	0.0	-	88.8	-	0.0	0.0	-	0.0	-	0.0	-	27.1
83.0	43.0	0.0	-	101.1	-	0.0	0.0	-	0.0	-	0.0	-	40.4
83.0	44.0	0.0	-	37.8	-	14.4	0.0	-	0.0	-	0.0	-	12.7
83.0	44.7	28.4	-	10.8	-	0.0	0.0	-	0.0	-	0.0	-	-
83.0	45.0	21.3	-	20.7	-	0.0	0.0	-	0.0	-	0.0	-	0.0
83.0	49.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	5.5
83.0	50.0	0.0	-	0.0	-	2.5	0.0	-	0.0	-	0.0	-	2.4
83.0	51.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	25.8
83.0	60.0	0.0	-	0.0	-	12.1	0.0	-	0.0	-	0.0	-	0.0
85.0	37.2	-	4.6	66.4	-	154.6	0.0	-	130.6	-	2.5	-	-
85.0	37.5	5.5	-	31.4	-	100.8	0.0	-	14.3	-	0.0	-	-
85.0	38.0	2.8	-	232.6	-	0.0	0.0	-	22.6	-	0.0	-	-
85.0	39.0	0.0	-	107.8	-	0.0	0.0	-	11.8	-	0.0	-	-
85.0	40.0	0.0	-	0.0	-	24.5	0.0	-	23.8	-	0.0	-	-
87.0	32.5	-	38.4	124.2	-	64.3	0.0	-	5.4	-	18.9	-	1.8
87.0	32.7	-	6.2	222.5	-	82.2	9.9	-	7.7	-	10.2	-	2.8
87.0	33.0	-	7.5	180.0	-	75.9	22.5	-	0.0	-	0.0	-	5.5
87.0	34.0	-	0.0	89.9	-	38.7	0.0	-	0.0	-	0.0	-	8.9
87.0	35.0	-	0.0	62.4	-	34.2	0.0	-	0.0	-	0.0	-	30.6
87.0	36.0	-	0.0	24.4	-	39.1	0.0	-	0.0	-	0.0	-	40.7
87.0	45.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	13.0
88.5	30.4	-	16.2	77.0	-	86.4	0.0	37.0	-	-	10.2	-	4.6
88.5	31.0	-	1.7	147.7	-	111.3	0.0	-	0.0	-	54.0	-	0.0
88.5	32.0	-	29.2	152.5	-	30.0	0.0	-	0.0	-	2.7	-	0.0
88.5	33.0	-	0.0	-	-	38.8	0.0	-	0.0	-	0.0	-	0.0

TABLE 4. (cont.)

Sciaenidae (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
88.5	34.0	-	0.0	11.8	-	0.0	26.8	-	0.0	-	0.0	-	0.0
90.0	27.6	-	213.9	158.3	-	403.9	6.9	19.8	-	-	12.6	-	63.2
90.0	28.0	-	35.5	-	-	27.8	0.0	12.9	-	-	0.0	-	47.3
90.0	29.0	-	0.0	12.1	-	10.5	0.0	0.0	-	-	0.0	-	13.3
91.5	26.5	-	0.0	46.0	-	23.8	19.7	-	-	-	1.6	-	1.5
91.5	26.8	-	2.6	-	-	-	38.9	0.0	-	-	16.6	-	16.0
91.5	27.0	-	-	39.8	-	58.2	-	-	-	-	-	-	-
91.5	28.0	-	0.0	0.0	-	39.1	26.6	28.4	-	-	0.0	-	6.3
91.5	29.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	6.3
93.0	26.7	-	5.1	4.2	-	75.4	0.0	-	-	-	30.4	-	2.3
93.0	26.9	-	5.6	11.7	-	58.0	24.0	11.8	-	-	11.1	-	0.0
93.0	28.0	-	12.3	0.0	-	13.2	11.4	0.0	-	-	0.0	-	0.0
93.0	29.0	-	0.0	25.3	-	0.0	3.2	0.0	-	-	0.0	-	0.0
93.0	30.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	60.2
93.0	35.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-	11.1
95.0	28.0	-	0.0	51.2	-	169.8	7.0	2.0	-	-	0.0	-	-
95.0	29.0	-	13.9	5.6	-	0.0	0.0	0.0	-	-	25.5	-	-
95.0	30.0	-	30.4	0.0	-	0.0	0.0	0.0	-	-	4.0	-	-
95.0	31.0	-	33.6	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
95.0	32.0	-	0.0	0.0	-	13.9	0.0	0.0	-	-	0.0	-	-
97.0	28.8	19.4	-	6.2	-	188.8	11.4	0.0	-	-	52.8	-	-
97.0	29.0	57.4	-	0.0	-	92.1	2.6	0.0	-	-	15.9	-	-
97.0	30.0	2.2	-	0.0	-	103.3	8.2	0.0	-	-	18.9	-	-
97.0	31.0	0.0	-	13.0	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	32.0	0.0	-	41.6	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	35.0	0.0	-	69.4	-	0.0	0.0	0.0	-	-	0.0	-	-
100.0	29.0	-	0.0	10.8	-	23.7	0.0	0.0	-	-	0.0	-	-
100.0	30.0	-	-	0.0	-	26.7	0.0	-	-	-	0.0	-	-
100.0	31.0	-	0.0	0.0	-	11.4	0.0	0.0	-	-	0.0	-	-
103.0	28.8	-	1.8	0.0	-	25.2	0.0	0.0	-	-	7.3	-	-
103.0	29.0	-	62.9	0.0	-	10.9	0.0	0.0	-	-	8.2	-	-
103.0	30.0	-	44.8	10.8	-	0.0	0.0	0.0	-	-	8.5	-	-
103.0	31.0	-	0.0	10.6	-	58.2	0.0	0.0	-	-	0.0	-	-
103.0	35.0	-	3.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
107.0	30.3	-	0.0	36.1	-	-	0.0	-	0.0	-	0.0	-	-
107.0	30.6	-	9.1	74.8	-	-	0.0	-	0.0	-	46.0	-	-
107.0	31.0	-	69.7	8.7	-	-	0.0	-	2.3	-	44.2	-	-
107.0	33.0	-	0.0	12.0	-	-	0.0	-	0.0	-	0.0	-	-
110.0	32.4	-	214.5	96.8	-	0.0	-	0.0	-	-	0.0	-	-
110.0	33.0	-	47.7	155.7	-	0.0	-	0.0	0.0	-	9.4	-	-
110.0	34.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.6	-	-
110.0	35.0	-	0.0	11.4	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	28.8	-	0.0	0.0	-	0.0	-	3.5	0.0	-	5.0	-	-
113.0	29.0	-	2.0	11.9	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	30.0	-	24.1	2.8	-	0.0	-	0.0	0.0	-	31.0	-	-
113.0	31.0	-	0.0	21.4	-	0.0	-	0.0	0.0	-	42.6	-	-

TABLE 4. (cont.)

Sciaenidae (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
113.0	32.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	34.2	-	-
117.0	25.0	-	2.5	52.3	-	-	-	0.0	0.0	-	39.5	-	-
117.0	26.0	-	5.0	0.0	-	-	-	0.0	0.0	-	11.1	-	-
117.0	27.0	-	0.0	0.0	-	-	-	0.0	0.0	-	9.8	-	-
117.0	28.0	-	0.0	20.0	-	-	-	11.0	2.6	-	7.5	-	-
117.0	30.0	-	0.0	10.9	-	-	-	0.0	0.0	-	12.2	-	-
119.0	33.0	-	0.0	69.8	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	22.4	-	0.0	11.6	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	22.7	-	0.0	1.8	-	0.0	-	1.9	0.0	-	0.0	-	-
120.0	23.0	-	2.5	0.0	-	0.0	-	5.6	16.1	-	0.0	-	-
120.0	24.0	-	0.0	61.8	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	25.0	-	0.0	202.5	-	12.1	-	2.7	16.8	-	0.0	-	-
120.0	26.0	-	2.8	108.4	-	0.0	-	31.3	10.7	-	0.0	-	-
120.0	30.0	-	32.0	43.7	-	0.0	-	0.0	0.0	-	2.5	-	-
120.0	35.0	-	0.0	2.8	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	40.0	-	0.0	0.0	-	0.0	-	10.9	0.0	-	0.0	-	-
120.0	60.0	-	0.0	0.0	-	0.0	-	24.9	0.0	-	0.0	-	-
123.0	35.7	-	7.6	-	0.0	0.0	-	-	0.0	-	0.0	-	-
123.0	36.0	-	2.5	-	0.0	0.0	-	-	1.7	-	0.0	-	-
127.0	32.6	-	0.0	-	2.0	-	-	-	0.0	-	16.9	-	-
127.0	33.0	-	10.8	-	0.0	-	-	-	0.0	-	22.2	-	-
127.0	34.0	-	2.8	-	0.0	-	-	-	0.0	-	21.5	-	-
127.0	35.0	-	5.5	-	0.0	-	-	-	0.0	-	0.0	-	-
127.0	36.0	-	8.9	-	0.0	-	-	-	0.0	-	0.0	-	-
130.0	25.6	-	0.0	-	6.3	0.0	-	-	0.0	-	0.0	-	-
130.0	26.0	-	2.2	-	9.3	0.0	-	-	0.0	-	2.2	-	-
130.0	27.0	-	9.3	-	0.0	0.0	-	-	0.0	-	0.0	-	-
130.0	28.0	-	10.8	-	0.0	0.0	-	-	2.3	-	0.0	-	-
130.0	29.0	-	0.0	-	0.0	0.0	-	-	2.3	-	0.0	-	-
133.0	20.6	-	2.3	-	0.0	-	-	-	396.8	-	20.6	-	-
133.0	21.0	-	0.0	-	0.0	-	-	-	250.6	-	3.1	-	-
133.0	22.0	-	0.0	-	0.0	-	-	-	18.9	-	0.0	-	-
133.0	23.0	-	0.0	-	0.0	-	-	-	17.4	-	0.0	-	-
133.0	24.0	-	0.0	-	0.0	-	-	-	10.9	-	2.4	-	-
133.0	35.0	-	0.0	-	0.0	-	-	-	0.0	-	11.4	-	-
137.0	20.7	-	0.0	-	0.0	-	-	-	31.7	-	52.9	-	-
137.0	22.0	-	0.0	-	28.2	-	-	-	69.1	-	6.2	-	-
137.0	23.0	-	0.0	-	20.4	-	-	-	2.3	-	0.0	-	-

Serranidae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
81.5	44.0	0.0	-	0.0	-	11.5	0.0	-	0.0	-	0.0	-	-
81.5	44.5	0.0	-	0.0	-	0.0	0.0	-	4.5	-	0.0	-	-
83.0	41.0	0.0	-	0.0	-	0.0	0.0	-	8.1	-	0.0	-	0.0

TABLE 4. (cont.)

Serranidae (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
83.0	48.0	0.0	-	0.0	-	0.0	0.0	-	10.0	-	0.0	-	0.0
85.0	37.2	-	0.0	0.0	-	0.0	0.0	-	2.0	-	0.0	-	-
85.0	40.0	0.0	-	0.0	-	0.0	0.0	-	35.8	-	0.0	-	-
87.0	32.5	-	0.0	0.0	-	0.0	0.0	-	2.7	-	0.0	-	0.0
87.0	33.0	-	0.0	0.0	-	0.0	0.0	-	26.5	-	0.0	-	0.0
90.0	27.6	-	0.0	0.0	-	0.0	0.0	0.0	-	-	2.5	-	0.0
90.0	31.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	2.9	-	0.0
91.5	26.8	-	0.0	-	-	-	0.0	0.0	-	-	5.5	-	0.0
93.0	26.7	-	0.0	0.0	-	0.0	0.0	-	-	-	14.4	-	0.0
95.0	28.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	2.1	-	-
95.0	29.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	2.0	-	-
113.0	28.8	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.5	-	-
113.0	32.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	11.4	-	-
117.0	25.0	-	0.0	0.0	-	-	-	0.0	0.0	-	12.5	-	-
117.0	70.0	-	-	0.0	-	-	-	0.0	0.0	-	3.3	-	-
117.0	80.0	-	-	0.0	-	-	-	0.0	0.0	-	2.3	-	-
120.0	22.4	-	0.0	0.0	-	0.0	-	0.0	0.0	-	3.7	-	-
120.0	22.7	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.9	-	-
120.0	23.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.5	-	-
120.0	24.0	-	0.0	0.0	-	0.0	-	7.8	0.0	-	2.5	-	-
120.0	25.0	-	0.0	0.0	-	0.0	-	10.6	0.0	-	0.0	-	-
120.0	26.0	-	0.0	0.0	-	0.0	-	31.3	0.0	-	2.7	-	-
120.0	30.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.5	-	-
120.0	40.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	27.2	-	-
120.0	45.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	13.0	-	-
120.0	50.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	9.9	-	-
123.0	35.7	-	0.0	-	0.0	0.0	-	-	0.0	-	2.1	-	-
123.0	36.0	-	0.0	-	0.0	0.0	-	-	0.0	-	21.1	-	-
123.0	45.0	-	0.0	0.0	-	0.0	-	-	0.0	-	23.6	-	-
127.0	32.6	-	0.0	-	0.0	-	-	-	0.0	-	76.0	-	-
127.0	33.0	-	0.0	-	0.0	-	-	-	0.0	-	100.1	-	-
127.0	34.0	-	0.0	-	0.0	-	-	-	0.0	-	21.5	-	-
127.0	35.0	-	0.0	-	0.0	-	-	-	0.0	-	14.2	-	-
127.0	36.0	-	0.0	-	0.0	-	-	-	0.0	-	18.6	-	-
130.0	25.6	-	0.0	-	0.0	0.0	-	-	0.0	-	14.6	-	-
130.0	26.0	-	0.0	-	0.0	0.0	-	-	0.0	-	8.6	-	-
130.0	27.0	-	0.0	-	0.0	0.0	-	-	0.0	-	37.4	-	-
130.0	28.0	-	0.0	-	0.0	0.0	-	-	0.0	-	19.3	-	-
130.0	29.0	-	0.0	-	0.0	0.0	-	-	0.0	-	8.8	-	-
133.0	20.6	-	0.0	-	0.0	-	-	-	0.0	-	15.5	-	-
133.0	21.0	-	0.0	-	0.0	-	-	-	31.3	-	13.9	-	-
133.0	35.0	-	0.0	-	0.0	-	-	-	3.4	-	11.4	-	-
137.0	20.7	-	0.0	-	0.0	-	-	-	0.0	-	5.7	-	-
137.0	22.0	-	0.0	-	0.0	-	-	-	47.5	-	30.9	-	-
137.0	23.0	-	0.0	-	0.0	-	-	-	0.0	-	7.7	-	-
137.0	30.0	-	0.0	-	0.0	-	-	-	0.0	-	11.5	-	-

TABLE 4. (cont.)

Serranidae (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
137.0	50.0	-	0.0	-	0.0	-	-	-	0.0	-	3.2	-	-

Polynemidae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
137.0	35.0	-	0.0	-	0.0	-	-	-	0.0	-	11.0	-	-

Scombridae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
137.0	35.0	-	0.0	-	0.0	-	-	-	25.7	-	0.0	-	-

Sarda chiliensis

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
137.0	24.0	-	0.0	-	0.0	-	-	-	542.6	-	0.0	-	-
137.0	30.0	-	0.0	-	0.0	-	-	-	101.6	-	0.0	-	-
137.0	35.0	-	0.0	-	0.0	-	-	-	25.7	-	0.0	-	-

Scomber japonicus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
117.0	60.0	-	0.0	0.0	-	-	-	0.0	11.0	-	0.0	-	-
118.0	39.0	-	0.0	0.0	-	-	-	0.0	0.0	-	10.0	-	-
120.0	23.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.5	-	-
120.0	40.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	21.3	-	-
127.0	34.0	-	0.0	-	0.0	-	-	-	0.0	-	10.8	-	-
130.0	25.6	-	0.0	-	0.0	0.0	-	-	0.0	-	2.4	-	-
130.0	26.0	-	0.0	-	0.0	0.0	-	-	0.0	-	2.2	-	-
130.0	28.0	-	0.0	-	0.0	0.0	-	-	0.0	-	2.1	-	-

Lepidopus xantusi

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
90.0	90.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-	2.7	-
110.0	40.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.9	-	-
113.0	40.0	-	3.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
117.0	50.0	-	0.0	0.0	-	-	-	0.0	0.0	-	11.9	-	-
117.0	60.0	-	0.0	0.0	-	-	-	2.9	0.0	-	0.0	-	-
117.0	70.0	-	-	0.0	-	-	-	0.0	0.0	-	3.3	-	-
120.0	50.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	9.9	-	-

TABLE 4. (cont.)

Lepidopus xantusi (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
123.0	38.0	-	0.0	-	0.0	0.0	-	-	0.0	-	9.4	-	-
123.0	45.0	-	0.0	0.0	-	0.0	-	-	0.0	-	11.8	-	-
130.0	50.0	-	0.0	-	0.0	0.0	-	-	2.6	-	0.0	-	-
133.0	50.0	-	0.0	-	0.0	-	-	-	0.0	-	22.5	-	-

Sphyraena argentea

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
95.0	28.0	-	0.0	0.0	-	0.0	7.0	0.0	-	-	0.0	-	-
97.0	30.0	0.0	-	0.0	-	0.0	5.5	0.0	-	-	0.0	-	-
107.0	33.0	-	0.0	0.0	-	-	0.0	-	0.0	-	11.8	-	-
110.0	35.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.9	-	-
110.0	55.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	11.4	-	-
137.0	20.7	-	0.0	-	0.0	-	-	-	0.0	-	3.8	-	-
137.0	22.0	-	0.0	-	0.0	-	-	-	2.2	-	14.4	-	-
137.0	23.0	-	0.0	-	0.0	-	-	-	2.3	-	0.0	-	-

Icichthys lockingtoni

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	60.0	-	22.2	-	0.0	-	-	-	0.0	-	-	0.0	-
60.0	70.0	-	0.0	-	-	0.0	-	-	11.7	-	-	0.0	-
63.0	50.0	-	0.0	-	1.1	-	-	-	-	-	-	0.0	-
63.0	90.0	-	-	-	-	5.9	-	-	-	-	-	-	-
67.0	55.0	-	-	-	0.0	-	-	-	10.2	-	-	0.0	-
67.0	60.0	-	0.0	-	0.0	-	-	-	13.6	-	-	0.0	-
67.0	65.0	-	21.8	-	0.0	-	-	-	-	-	-	0.0	-
67.0	90.0	-	-	-	5.7	-	-	-	-	-	-	-	-
70.0	51.0	-	0.0	-	5.2	-	0.0	-	0.0	-	-	0.0	-
70.0	60.0	-	0.0	-	6.3	-	0.0	-	12.2	-	-	0.0	-
70.0	70.0	-	0.0	-	7.0	-	0.0	-	11.7	-	-	0.0	-
73.0	53.0	-	0.0	-	13.1	0.0	0.0	-	0.0	-	-	0.0	-
73.0	70.0	-	0.0	-	0.0	0.0	0.0	-	11.3	-	-	0.0	-
77.0	60.0	-	0.0	-	0.0	0.0	12.2	-	0.0	-	-	0.0	-
77.0	70.0	-	0.0	-	0.0	0.0	0.0	-	11.8	-	-	0.0	-
80.0	50.1	-	1.9	0.0	-	0.0	0.0	-	0.0	-	-	0.0	-
80.0	52.0	-	14.5	0.0	-	0.0	0.0	-	0.0	-	-	0.0	-
80.0	60.0	-	0.0	11.3	-	0.0	0.0	-	0.0	-	-	0.0	-
80.0	70.0	-	0.0	0.0	-	0.0	13.0	-	12.0	-	-	0.0	-
80.0	90.0	-	0.0	0.0	-	0.0	2.9	-	0.0	-	-	0.0	-
83.0	80.0	0.0	-	0.0	-	3.2	0.0	-	0.0	-	0.0	-	-
83.0	90.0	-	0.0	0.0	-	14.5	0.0	-	0.0	-	0.0	-	-
87.0	60.0	0.0	-	-	-	0.0	0.0	-	0.0	-	0.0	-	6.4
87.0	70.0	0.0	-	0.0	-	0.0	3.0	-	17.5	-	0.0	-	-

TABLE 4. (cont.)

Icichthys lockingtoni (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
87.0	90.0	0.0	–	0.0	–	0.0	0.0	–	6.2	–	0.0	–	–
90.0	60.0	2.9	–	0.0	–	0.0	7.0	5.7	–	–	–	0.0	–
90.0	70.0	0.0	–	9.1	–	3.7	2.9	9.3	–	–	–	0.0	–
90.0	80.0	0.0	–	0.0	–	3.2	0.0	0.0	–	–	–	0.0	–
93.0	55.0	11.5	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
93.0	60.0	0.0	–	3.1	–	0.0	0.0	0.0	–	–	–	0.0	–
93.0	70.0	0.0	–	3.0	–	3.5	17.3	3.0	–	–	–	0.0	–
93.0	80.0	0.0	–	3.1	–	3.2	0.0	0.0	–	–	–	0.0	–
93.0	90.0	0.0	–	3.2	–	–	0.0	0.0	–	–	–	0.0	–
97.0	70.0	0.0	–	3.3	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	80.0	0.0	–	0.0	–	6.3	0.0	0.0	–	–	0.0	–	–
100.0	70.0	–	0.0	2.9	–	3.7	0.0	0.0	–	–	3.1	–	–
110.0	40.0	–	0.0	0.0	–	0.0	–	0.0	9.4	–	0.0	–	–

Peprilus simillimus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
83.0	44.7	0.0	–	0.0	–	0.0	0.0	–	0.0	–	17.3	–	–
83.0	48.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	11.6	–	0.0
83.0	50.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	2.4	–	0.0
83.0	55.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	12.6	–	0.0
85.0	38.0	0.0	–	0.0	–	0.0	0.0	–	11.3	–	11.0	–	–
88.5	30.4	–	0.0	0.0	–	0.0	2.0	1.5	–	–	0.0	–	0.0
88.5	31.0	–	0.0	0.0	–	0.0	4.3	–	0.0	–	0.0	–	0.0
88.5	32.0	–	0.0	0.0	–	0.0	0.0	–	0.0	–	2.7	–	0.0
90.0	27.6	–	0.0	0.0	–	0.0	0.0	0.0	–	–	5.0	–	0.0
90.0	28.0	–	0.0	–	–	0.0	0.0	0.0	–	–	8.2	–	0.0
90.0	29.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	11.9	–	0.0
90.0	31.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.9	–	0.0
91.5	26.8	–	0.0	–	–	–	0.0	0.0	–	–	2.8	–	0.0
91.5	28.0	–	0.0	0.0	–	0.0	13.3	0.0	–	–	0.0	–	0.0
93.0	26.9	–	0.0	0.0	–	0.0	2.7	0.0	–	–	22.2	–	0.0
95.0	29.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.0	–	–
95.0	30.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.0	–	–
97.0	29.0	0.0	–	0.0	–	0.0	15.4	0.0	–	–	8.0	–	–
97.0	30.0	0.0	–	0.0	–	0.0	13.7	0.0	–	–	0.0	–	–
107.0	30.6	–	0.0	2.2	–	–	0.0	–	0.0	–	0.0	–	–
113.0	31.0	–	0.0	10.7	–	0.0	–	0.0	0.0	–	0.0	–	–
113.0	40.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	11.5	–	–
117.0	26.0	–	0.0	0.0	–	–	–	0.0	0.0	–	5.6	–	–
117.0	27.0	–	0.0	0.0	–	–	–	11.6	0.0	–	0.0	–	–
117.0	28.0	–	0.0	0.0	–	–	–	44.2	2.6	–	0.0	–	–
117.0	30.0	–	0.0	0.0	–	–	–	0.0	2.6	–	9.7	–	–
119.0	33.0	–	0.0	0.0	–	0.0	–	0.0	163.0	–	0.0	–	–
120.0	24.0	–	0.0	0.0	–	10.6	–	28.6	0.0	–	5.1	–	–

TABLE 4. (cont.)

Peprilus simillimus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
120.0	25.0	-	0.0	2.5	-	0.0	-	26.6	16.8	-	4.8	-	-
120.0	26.0	-	0.0	0.0	-	11.0	-	83.5	0.0	-	0.0	-	-
120.0	30.0	-	0.0	0.0	-	0.0	-	0.0	10.1	-	7.5	-	-
120.0	35.0	-	0.0	0.0	-	0.0	-	0.0	105.6	-	2.1	-	-
120.0	40.0	-	0.0	0.0	-	0.0	-	10.9	0.0	-	42.7	-	-
120.0	45.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	13.0	-	-
120.0	50.0	-	0.0	0.0	-	0.0	-	11.0	0.0	-	0.0	-	-
130.0	25.6	-	4.6	-	0.0	0.0	-	-	0.0	-	0.0	-	-
130.0	26.0	-	6.6	-	0.0	0.0	-	-	0.0	-	0.0	-	-
133.0	20.6	-	7.0	-	0.0	-	-	-	29.8	-	0.0	-	-
133.0	21.0	-	19.9	-	0.0	-	-	-	0.0	-	0.0	-	-
133.0	22.0	-	10.0	-	0.0	-	-	-	0.0	-	0.0	-	-
137.0	22.0	-	2.7	-	7.7	-	-	-	0.0	-	0.0	-	-
137.0	23.0	-	0.0	-	10.2	-	-	-	0.0	-	0.0	-	-
137.0	24.0	-	0.0	-	7.8	-	-	-	0.0	-	0.0	-	-

Tetragonurus cuvieri

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
77.0	90.0	-	-	-	-	0.0	0.0	-	0.0	-	-	2.8	-
83.0	80.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	8.5	-	-
83.0	90.0	-	10.6	0.0	-	0.0	0.0	-	0.0	-	5.7	-	-
87.0	90.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	5.5	-	-
90.0	90.0	8.2	-	0.0	-	0.0	0.0	0.0	-	-	-	2.7	-
93.0	80.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-	7.8	-
93.0	100.0	2.9	-	0.0	-	-	-	-	-	-	-	-	-
97.0	55.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	2.4	-	-
97.0	70.0	2.8	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	80.0	2.8	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
100.0	40.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	11.1	-	-
100.0	60.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	10.6	-	-
100.0	70.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	3.1	-	-
103.0	70.0	-	5.8	0.0	-	0.0	0.0	0.0	-	-	3.8	-	-
103.0	80.0	-	0.0	0.0	-	-	0.0	0.0	-	-	7.7	-	-
107.0	50.0	-	0.0	0.0	-	-	0.0	-	0.0	-	2.7	-	-
110.0	45.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	8.8	-	-
110.0	50.0	-	2.8	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	60.0	-	2.9	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
127.0	35.0	-	0.0	-	0.0	-	-	-	0.0	-	14.2	-	-

Chiasmodontidae

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
87.0	70.0	10.8	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	-

TABLE 4. (cont.)

Chiasmodontidae (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
100.0	50.0	–	12.2	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
100.0	60.0	–	0.0	0.0	–	0.0	0.0	2.9	–	–	0.0	–	–
100.0	70.0	–	0.0	0.0	–	0.0	3.0	3.1	–	–	0.0	–	–
100.0	80.0	–	0.0	0.0	–	3.8	0.0	0.0	–	–	0.0	–	–
100.0	90.0	–	–	–	–	–	–	2.6	–	–	0.0	–	–
103.0	70.0	–	0.0	0.0	–	0.0	0.0	2.5	–	–	0.0	–	–
103.0	90.0	–	–	–	–	–	–	2.9	–	–	0.0	–	–
110.0	50.0	–	2.8	0.0	–	0.0	–	0.0	0.0	–	0.0	–	–
110.0	55.0	–	2.8	0.0	–	0.0	–	0.0	0.0	–	0.0	–	–
110.0	70.0	–	–	3.0	–	–	–	0.0	0.0	–	0.0	–	–
110.0	80.0	–	–	5.8	–	–	–	0.0	0.0	–	0.0	–	–
113.0	40.0	–	0.0	0.0	–	0.0	–	12.6	0.0	–	0.0	–	–
117.0	60.0	–	3.0	0.0	–	–	–	0.0	0.0	–	0.0	–	–
117.0	80.0	–	–	8.7	–	–	–	0.0	0.0	–	0.0	–	–

Citharichthys spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	50.0	–	0.0	–	0.0	–	–	–	0.0	–	–	30.4	–
60.0	55.0	–	14.4	–	0.0	–	–	–	0.0	–	–	0.0	–
60.0	90.0	–	–	–	–	2.1	–	–	0.0	–	–	–	–
63.0	55.0	–	0.0	–	5.0	–	–	–	0.0	–	–	0.0	–
63.0	60.0	–	22.6	–	0.0	–	–	–	0.0	–	–	0.0	–
63.0	65.0	–	0.0	–	9.7	–	–	–	–	–	–	12.4	–
66.0	49.0	–	–	–	0.0	–	–	–	0.0	–	–	2.5	–
67.0	50.0	–	11.6	–	0.0	–	–	–	0.0	–	–	10.5	–
67.0	55.0	–	–	–	6.4	–	–	–	0.0	–	–	11.6	–
67.0	60.0	–	0.0	–	0.0	–	–	–	13.6	–	–	0.0	–
67.0	65.0	–	0.0	–	0.0	–	–	–	–	–	–	11.0	–
67.0	70.0	–	25.3	–	4.9	–	–	–	–	–	–	0.0	–
67.0	80.0	–	24.2	–	11.4	–	–	–	–	–	–	–	–
70.0	53.0	–	22.4	–	6.4	–	0.0	–	0.0	–	–	0.0	–
70.0	65.0	–	35.0	–	0.0	–	–	–	0.0	–	–	11.0	–
70.0	70.0	–	0.0	–	0.0	–	0.0	–	0.0	–	–	10.7	–
70.0	90.0	–	–	–	2.9	–	0.0	–	0.0	–	–	0.0	–
73.0	50.0	–	11.9	–	5.6	–	0.0	–	0.0	–	–	0.0	–
73.0	80.0	–	0.0	–	–	10.9	0.0	–	0.0	–	–	0.0	–
77.0	55.0	–	–	–	0.0	11.5	0.0	–	0.0	–	–	0.0	–
77.0	60.0	–	0.0	–	0.0	11.2	0.0	–	0.0	–	–	0.0	–
77.0	65.0	–	11.0	–	0.0	0.0	0.0	–	0.0	–	–	0.0	–
77.0	70.0	–	0.0	–	25.0	0.0	0.0	–	0.0	–	–	0.0	–
80.0	50.1	–	0.0	0.0	–	0.0	0.0	–	0.0	–	–	10.4	–
80.0	51.0	–	0.0	0.0	–	0.0	0.0	–	0.0	–	–	18.3	–
80.0	52.0	–	0.0	0.0	–	0.0	0.0	–	3.1	–	–	55.0	–
80.0	60.0	–	22.2	0.0	–	0.0	12.2	–	0.0	–	–	32.5	–

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
80.0	70.0	-	26.4	0.0	-	0.0	0.0	-	0.0	-	-	0.0	-
80.0	90.0	-	0.0	6.4	-	0.0	0.0	-	0.0	-	-	0.0	-
81.5	43.5	0.0	-	0.0	-	8.9	0.0	-	2.0	-	39.0	-	-
81.5	44.0	10.9	-	0.0	-	11.5	2.9	-	0.0	-	14.5	-	-
81.5	44.5	3.1	-	3.0	-	0.0	0.0	-	2.3	-	2.1	-	-
81.5	45.0	13.0	-	0.0	-	10.6	0.0	-	0.0	-	10.9	-	-
81.5	46.0	13.8	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	-
81.5	47.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	22.7	-	-
83.0	40.6	0.0	-	0.0	-	0.0	0.0	-	0.0	-	2.6	-	-
83.0	41.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	5.5	-	0.0
83.0	43.0	12.6	-	0.0	-	0.0	0.0	-	0.0	-	11.8	-	13.5
83.0	44.0	12.5	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	25.4
83.0	44.7	2.8	-	0.0	-	0.0	0.0	-	0.0	-	8.6	-	-
83.0	45.0	3.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	11.8
83.0	48.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	11.6	-	27.1
83.0	49.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	6.9	-	5.5
83.0	50.0	0.0	-	0.0	-	2.5	0.0	-	0.0	-	4.9	-	14.6
83.0	51.0	0.0	-	0.0	-	9.6	0.0	-	0.0	-	6.4	-	0.0
83.0	55.0	0.0	-	13.1	-	0.0	0.0	-	0.0	-	12.6	-	11.9
83.0	60.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	23.9	-	11.6
83.0	70.0	12.6	-	12.0	-	0.0	0.0	-	0.0	-	-	-	-
83.0	80.0	21.0	-	0.0	-	0.0	0.0	-	0.0	-	2.8	-	-
85.0	37.5	0.0	-	0.0	-	0.0	0.0	-	0.0	-	7.3	-	-
85.0	38.0	5.5	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	-
85.0	39.0	0.0	-	13.5	-	0.0	0.0	-	0.0	-	0.0	-	-
85.0	40.0	12.2	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	-
87.0	32.5	-	0.0	3.6	-	0.0	0.0	-	0.0	-	0.0	-	3.7
87.0	32.7	-	0.0	4.3	-	0.0	0.0	-	0.0	-	0.0	-	0.0
87.0	33.0	-	0.0	2.5	-	21.7	0.0	-	0.0	-	9.0	-	0.0
87.0	35.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	11.6	-	0.0
87.0	36.0	-	0.0	12.2	-	0.0	0.0	-	0.0	-	11.8	-	0.0
87.0	40.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	26.4	-	0.0
87.0	45.0	0.0	-	13.5	-	0.0	0.0	-	0.0	-	12.8	-	0.0
87.0	50.0	0.0	-	11.3	-	0.0	0.0	-	0.0	-	0.0	-	0.0
87.0	60.0	0.0	-	-	-	12.7	0.0	-	0.0	-	0.0	-	9.5
87.0	70.0	0.0	-	3.3	-	0.0	0.0	-	2.9	-	5.7	-	-
87.0	80.0	0.0	-	2.8	-	0.0	0.0	-	0.0	-	0.0	-	-
88.5	31.0	-	5.0	0.0	-	2.4	0.0	-	0.0	-	0.0	-	0.0
88.5	32.0	-	2.4	0.0	-	0.0	0.0	-	0.0	-	10.7	-	0.0
88.5	33.0	-	0.0	-	-	0.0	11.6	-	0.0	-	0.0	-	0.0
88.5	34.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	12.2	-	0.0
90.0	27.6		0.0	2.7	-	0.0	0.0	0.0	-	-	27.6	-	0.0
90.0	28.0	-	0.0	-	-	0.0	0.0	0.0	-	-	2.7	-	0.0
90.0	31.0	-	0.0	0.0	-	0.0	0.0	11.6	-	-	0.0	-	0.0
90.0	32.0	-	3.2	0.0	-	0.0	0.0	0.0	-	-	2.8	-	0.0
90.0	37.0	11.9	-	0.0	-	0.0	0.0	0.0	-	-	23.0	-	0.0

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
90.0	45.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-	11.3	0.0
90.0	60.0	0.0	-	0.0	-	0.0	3.5	0.0	-	-	-	0.0	-
90.0	70.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-	19.8	-
91.5	26.8	-	5.3	-	-	-	23.9	0.0	-	-	0.0	-	0.0
91.5	28.0	-	0.0	0.0	-	13.0	0.0	0.0	-	-	0.0	-	9.4
91.5	29.0	-	0.0	0.0	-	0.0	0.0	9.2	-	-	12.2	-	0.0
91.5	30.0	-	0.0	0.0	-	14.2	0.0	0.0	-	-	0.0	-	17.9
93.0	26.7	-	0.0	0.0	-	0.0	0.0	-	-	-	0.0	-	99.8
93.0	26.9	-	5.6	0.0	-	0.0	0.0	0.0	-	-	0.0	-	23.4
93.0	29.0	-	23.8	0.0	-	0.0	0.0	0.0	-	-	0.0	-	0.0
93.0	30.0	-	3.0	0.0	-	0.0	0.0	0.0	-	-	19.7	-	0.0
93.0	35.0	12.6	-	0.0	-	0.0	0.0	0.0	-	-	22.0	-	0.0
93.0	70.0	0.0	-	5.9	-	3.5	0.0	0.0	-	-	-	0.0	-
94.0	32.0	5.1	-	0.0	-	-	-	0.0	-	-	-	-	-
95.0	29.0	-	0.0	0.0	-	0.0	0.0	2.2	-	-	7.8	-	-
95.0	30.0	-	10.1	0.0	-	26.5	0.0	0.0	-	-	2.0	-	-
95.0	32.0	-	24.0	0.0	-	13.9	0.0	0.0	-	-	0.0	-	-
97.0	28.8	0.0	-	0.0	-	23.6	0.0	0.0	-	-	99.0	-	-
97.0	29.0	3.5	-	2.5	-	13.2	0.0	0.0	-	-	636.8	-	-
97.0	30.0	6.6	-	2.6	-	0.0	2.7	2.2	-	-	519.2	-	-
97.0	31.0	22.6	-	26.0	-	0.0	0.0	0.0	-	-	712.4	-	-
97.0	32.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	205.2	-	-
97.0	35.0	0.0	-	0.0	-	0.0	13.8	0.0	-	-	33.8	-	-
97.0	70.0	0.0	-	0.0	-	3.3	0.0	0.0	-	-	0.0	-	-
97.0	80.0	0.0	-	2.9	-	3.2	0.0	0.0	-	-	0.0	-	-
100.0	29.0	-	0.0	10.8	-	11.8	0.0	0.0	-	-	33.8	-	-
100.0	30.0	-	-	0.0	-	0.0	0.0	-	-	-	9.1	-	-
100.0	30.5	-	12.2	-	-	-	-	-	-	-	-	-	-
100.0	31.0	-	33.6	0.0	-	11.4	0.0	0.0	-	-	0.0	-	-
100.0	32.0	-	2.9	11.8	-	0.0	0.0	0.0	-	-	0.0	-	-
100.0	35.0	-	-	0.0	-	12.8	0.0	0.0	-	-	10.6	-	-
103.0	28.8	-	0.0	0.0	-	8.4	0.0	0.0	-	-	2.9	-	-
103.0	29.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	8.2	-	-
103.0	30.0	-	11.2	0.0	-	0.0	0.0	0.0	-	-	110.8	-	-
103.0	31.0	-	34.7	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
103.0	32.0	-	36.8	47.4	-	0.0	0.0	0.0	-	-	0.0	-	-
103.0	35.0	-	11.9	0.0	-	0.0	42.6	0.0	-	-	0.0	-	-
103.0	45.0	-	8.7	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
103.0	60.0	-	0.0	0.0	-	0.0	12.2	0.0	-	-	0.0	-	-
107.0	30.3	-	0.0	1.4	-	-	0.0	-	0.7	-	0.0	-	-
107.0	30.6	-	0.0	2.2	-	-	0.0	-	1.6	-	0.0	-	-
107.0	31.0	-	10.0	2.2	-	-	0.0	-	0.0	-	0.0	-	-
107.0	32.0	-	12.2	0.0	-	-	12.3	-	10.9	-	53.2	-	-
107.0	33.0	-	0.0	12.0	-	-	0.0	-	11.4	-	0.0	-	-
107.0	34.0	-	0.0	24.1	-	-	0.0	-	0.0	-	0.0	-	-
107.0	35.0	-	0.0	0.0	-	-	12.6	-	0.0	-	0.0	-	-

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
110.0	31.7	-	-	-	-	-	-	-	0.0	-	2.3	-	-
110.0	32.4	-	2.4	9.7	-	0.0	-	13.1	-	-	26.3	-	-
110.0	33.0	-	0.0	55.6	-	0.0	-	0.0	0.0	-	75.5	-	-
110.0	34.0	-	11.7	45.0	-	3.4	-	0.0	0.0	-	5.2	-	-
110.0	35.0	-	0.0	34.1	-	0.0	-	0.0	0.0	-	23.5	-	-
110.0	40.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.9	-	-
110.0	45.0	-	0.0	0.0	-	0.0	-	24.6	60.0	-	0.0	-	-
110.0	50.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	10.7	-	-
110.0	60.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	10.4	-	-
113.0	28.8	-	0.0	0.0	-	0.0	-	0.0	0.0	-	13.9	-	-
113.0	29.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	45.1	-	-
113.0	30.0	-	21.4	22.0	-	0.0	-	0.0	45.8	-	165.1	-	-
113.0	31.0	-	120.6	64.1	-	0.0	-	5.3	17.6	-	297.9	-	-
113.0	32.0	-	43.2	0.0	-	12.4	-	0.0	0.0	-	399.0	-	-
113.0	35.0	-	46.9	23.6	-	3.3	-	0.0	0.0	-	55.4	-	-
113.0	40.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	34.6	-	-
113.0	45.0	-	3.1	0.0	-	0.0	-	0.0	23.0	-	67.7	-	-
113.0	50.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	5.6	-	-
113.0	70.0	-	-	0.0	-	0.0	-	0.0	0.0	-	8.6	-	-
113.0	80.0	-	-	0.0	-	-	-	0.0	0.0	-	215.8	-	-
117.0	25.0	-	0.0	12.4	-	-	-	7.3	18.6	-	241.3	-	-
117.0	26.0	-	5.0	11.3	-	-	-	167.0	53.6	-	105.6	-	-
117.0	27.0	-	50.4	58.2	-	-	-	243.6	361.1	-	65.9	-	-
117.0	28.0	-	5.5	0.0	-	-	-	198.7	167.7	-	35.0	-	-
117.0	30.0	-	17.8	348.2	-	-	-	419.5	228.8	-	972.0	-	-
117.0	35.0	-	22.2	91.5	-	-	-	0.0	202.2	-	10.4	-	-
117.0	40.0	-	25.4	0.0	-	-	-	0.0	11.1	-	0.0	-	-
117.0	45.0	-	0.0	25.7	-	-	-	0.0	0.0	-	0.0	-	-
117.0	50.0	-	0.0	11.7	-	-	-	46.7	0.0	-	0.0	-	-
117.0	60.0	-	0.0	0.0	-	-	-	0.0	0.0	-	6.8	-	-
117.0	70.0	-	-	0.0	-	-	-	0.0	0.0	-	319.5	-	-
117.0	80.0	-	-	0.0	-	-	-	0.0	2.8	-	44.6	-	-
118.0	39.0	-	35.5	11.6	-	-	-	0.0	10.3	-	40.2	-	-
119.0	33.0	-	11.6	302.6	-	410.5	-	71.0	1164.0	-	61.5	-	-
120.0	22.4	-	0.0	0.0	-	0.0	-	0.0	48.0	-	0.0	-	-
120.0	22.7	-	0.0	1.8	-	0.0	-	129.3	28.0	-	0.0	-	-
120.0	23.0	-	0.0	1.9	-	0.0	-	87.0	26.8	-	4.9	-	-
120.0	24.0	-	2.1	23.2	-	31.7	-	275.6	191.4	-	7.7	-	-
120.0	25.0	-	2.6	37.0	-	36.2	-	1338.0	2637.6	-	11.9	-	-
120.0	26.0	-	39.9	209.2	-	495.0	-	2589.1	1591.3	-	0.0	-	-
120.0	30.0	-	17.5	469.6	-	1458.2	-	196.0	576.8	-	12.4	-	-
120.0	35.0	-	10.6	11.0	-	457.9	-	90.2	3674.9	-	51.8	-	-
120.0	40.0	-	13.9	10.8	-	29.4	-	1299.5	5.6	-	281.3	-	-
120.0	45.0	-	6.2	2.9	-	25.5	-	23.8	31.4	-	311.0	-	-
120.0	50.0	-	45.2	0.0	-	52.2	-	88.0	31.1	-	49.6	-	-
120.0	60.0	-	0.0	0.0	-	0.0	-	161.7	89.0	-	0.0	-	-

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
120.0	80.0	-	-	5.5	-	-	-	0.0	0.0	-	0.0	-	-
123.0	35.7	-	2.5	-	0.0	0.0	-	-	0.0	-	0.0	-	-
123.0	36.0	-	47.7	-	1.8	0.0	-	-	5.0	-	21.1	-	-
123.0	37.0	-	24.9	-	12.8	12.3	-	-	30.8	-	162.7	-	-
123.0	38.0	-	21.8	-	10.5	0.0	-	-	68.2	-	103.0	-	-
123.0	39.0	-	0.0	-	10.9	88.2	-	-	0.0	-	80.9	-	-
123.0	42.0	-	0.0	-	0.0	13.6	-	-	0.0	-	32.5	-	-
123.0	45.0	-	0.0	11.5	-	0.0	-	-	155.5	-	11.8	-	-
123.0	50.0	-	0.0	0.0	-	59.0	-	-	54.4	-	11.0	-	-
123.0	60.0	-	0.0	0.0	-	0.0	-	-	34.2	-	0.0	-	-
127.0	32.6	-	0.0	-	0.0	-	-	-	0.0	-	16.9	-	-
127.0	33.0	-	29.7	-	5.0	-	-	-	0.0	-	0.0	-	-
127.0	34.0	-	52.8	-	0.0	-	-	-	15.4	-	139.9	-	-
127.0	35.0	-	98.3	-	10.6	-	-	-	0.0	-	71.0	-	-
127.0	36.0	-	97.3	-	11.8	-	-	-	0.0	-	242.3	-	-
127.0	40.0	-	20.6	-	23.4	-	-	-	0.0	-	28.6	-	-
127.0	50.0	-	0.0	-	0.0	-	-	-	2.6	-	0.0	-	-
127.0	60.0	-	0.0	-	11.2	-	-	-	0.0	-	0.0	-	-
130.0	25.6	-	0.0	-	0.0	0.0	-	-	0.0	-	14.6	-	-
130.0	26.0	-	0.0	-	5.6	0.0	-	-	0.0	-	45.2	-	-
130.0	27.0	-	11.6	-	0.0	0.0	-	-	0.0	-	114.4	-	-
130.0	28.0	-	10.8	-	0.0	0.0	-	-	0.0	-	27.8	-	-
130.0	29.0	-	47.6	-	0.0	0.0	-	-	0.0	-	6.6	-	-
130.0	30.0	-	56.7	-	5.4	11.1	-	-	0.0	-	0.0	-	-
130.0	35.0	-	0.0	-	11.8	0.0	-	-	57.2	-	11.8	-	-
130.0	40.0	-	49.8	-	59.0	15.1	-	-	11.6	-	0.0	-	-
130.0	50.0	-	0.0	-	0.0	0.0	-	-	2.6	-	0.0	-	-
133.0	20.6	-	4.7	-	0.0	-	-	-	0.0	-	77.4	-	-
133.0	21.0	-	84.0	-	0.0	-	-	-	0.0	-	29.3	-	-
133.0	22.0	-	150.0	-	0.0	-	-	-	0.0	-	5.6	-	-
133.0	23.0	-	38.4	-	0.0	-	-	-	0.0	-	13.4	-	-
133.0	24.0	-	22.6	-	0.0	-	-	-	0.0	-	0.0	-	-
133.0	25.0	-	48.4	-	16.7	-	-	-	0.0	-	0.0	-	-
133.0	30.0	-	0.0	-	2.8	-	-	-	20.1	-	0.0	-	-
133.0	35.0	-	0.0	-	2.8	-	-	-	3.4	-	68.2	-	-
133.0	40.0	-	0.0	-	0.0	-	-	-	0.0	-	38.2	-	-
133.0	50.0	-	0.0	-	0.0	-	-	-	0.0	-	11.2	-	-
137.0	20.7	-	8.0	-	0.0	-	-	-	0.0	-	51.0	-	-
137.0	22.0	-	21.8	-	12.8	-	-	-	10.8	-	206.0	-	-
137.0	23.0	-	105.4	-	7.7	-	-	-	0.0	-	10.3	-	-
137.0	24.0	-	8.3	-	28.6	-	-	-	0.0	-	11.5	-	-
137.0	30.0	-	12.0	-	3.3	-	-	-	71.1	-	0.0	-	-
137.0	35.0	-	0.0	-	0.0	-	-	-	89.9	-	0.0	-	-
137.0	40.0	-	0.0	-	0.0	-	-	-	11.0	-	0.0	-	-
137.0	50.0	-	0.0	-	0.0	-	-	-	2.8	-	0.0	-	-

TABLE 4. (cont.)

Citharichthys stigmaeus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	55.0	-	0.0	-	0.0	-	-	-	10.7	-	-	0.0	-
63.0	60.0	-	11.3	-	0.0	-	-	-	0.0	-	-	0.0	-
63.0	65.0	-	0.0	-	9.7	-	-	-	-	-	-	0.0	-
67.0	55.0	-	-	-	0.0	-	-	-	0.0	-	-	11.6	-
67.0	60.0	-	14.7	-	5.8	-	-	-	0.0	-	-	0.0	-
67.0	65.0	-	21.8	-	0.0	-	-	-	-	-	-	11.0	-
67.0	90.0	-	-	-	2.8	-	-	-	-	-	-	-	-
70.0	53.0	-	11.2	-	0.0	-	0.0	-	0.0	-	-	0.0	-
70.0	60.0	-	12.3	-	0.0	-	0.0	-	0.0	-	-	10.1	-
70.0	65.0	-	35.0	-	5.7	-	-	-	0.0	-	-	0.0	-
70.0	70.0	-	53.4	-	5.2	-	0.0	-	0.0	-	-	10.7	-
73.0	53.0	-	24.9	-	26.2	0.0	0.0	-	0.0	-	-	0.0	-
73.0	60.0	-	11.5	-	6.4	0.0	0.0	-	0.0	-	-	49.3	-
73.0	70.0	-	36.1	-	0.0	0.0	0.0	-	0.0	-	-	22.5	-
73.0	80.0	-	0.0	-	-	21.8	0.0	-	0.0	-	-	0.0	-
77.0	55.0	-	-	-	0.0	0.0	0.0	-	0.0	-	-	31.7	-
77.0	60.0	-	0.0	-	0.0	56.2	0.0	-	0.0	-	-	0.0	-
77.0	70.0	-	38.3	-	0.0	0.0	0.0	-	0.0	-	-	0.0	-
80.0	53.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	-	10.7	-
80.0	60.0	-	44.3	0.0	-	0.0	0.0	-	0.0	-	-	21.7	-
80.0	70.0	-	26.4	0.0	-	0.0	0.0	-	0.0	-	-	0.0	-
81.5	44.5	3.1	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	-
81.5	45.0	13.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	-
81.5	47.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	22.7	-	-
83.0	42.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	13.6
83.0	43.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	13.5
83.0	44.7	0.0	-	0.0	-	0.0	0.0	-	0.0	-	8.6	-	-
83.0	50.0	0.0	-	0.0	-	2.5	0.0	-	0.0	-	0.0	-	0.0
83.0	51.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	6.4	-	0.0
83.0	55.0	11.6	-	0.0	-	0.0	0.0	-	0.0	-	37.9	-	23.8
83.0	60.0	14.6	-	24.6	-	12.1	0.0	-	0.0	-	35.9	-	11.6
83.0	70.0	25.1	-	0.0	-	0.0	0.0	-	0.0	-	-	-	-
85.0	37.5	0.0	-	0.0	-	0.0	0.0	-	0.0	-	2.4	-	-
85.0	38.0	8.3	-	0.0	-	0.0	0.0	-	0.0	-	22.1	-	-
87.0	34.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	2.6	-	0.0
87.0	35.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	11.6	-	3.4
87.0	36.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	11.8	-	0.0
87.0	60.0	14.1	-	-	-	0.0	0.0	-	0.0	-	0.0	-	3.2
87.0	70.0	0.0	-	0.0	-	3.2	0.0	-	0.0	-	5.7	-	-
88.5	33.0	-	0.0	-	-	0.0	0.0	-	0.0	-	11.7	-	39.7
88.5	34.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	24.3	-	14.4
90.0	28.0	-	0.0	-	-	0.0	0.0	0.0	-	-	19.1	-	12.6
90.0	29.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	47.5	-	0.0
90.0	30.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	11.5	-	0.0
90.0	32.0	-	3.2	0.0	-	0.0	0.0	0.0	-	-	5.6	-	42.4
90.0	37.0	11.9	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-	12.3

TABLE 4. (cont.)

Citharichthys stigmaeus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
90.0	45.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–	11.3	0.0
90.0	53.0	0.0	–	0.0	–	13.4	0.0	0.0	–	–	–	0.0	–
90.0	60.0	11.8	–	0.0	–	0.0	0.0	0.0	–	–	–	0.0	–
90.0	70.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–	17.0	–
90.0	80.0	3.6	–	0.0	–	0.0	0.0	0.0	–	–	–	2.8	–
91.5	26.8	–	0.0	–	–	–	0.0	0.0	–	–	0.0	–	16.0
91.5	28.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	23.0	–	3.1
91.5	29.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	12.2	–	3.2
91.5	30.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	36.2	–	3.0
93.0	26.7	–	0.0	0.0	–	0.0	0.0	–	–	–	0.0	–	20.9
93.0	26.9	–	0.0	0.0	–	0.0	0.0	0.0	–	–	0.0	–	5.9
93.0	28.0	–	0.0	12.3	–	13.2	0.0	0.0	–	–	5.8	–	23.8
93.0	29.0	–	0.0	0.0	–	13.7	0.0	0.0	–	–	3.0	–	0.0
93.0	30.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	28.1	–	0.0
93.0	45.0	2.8	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	50.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	12.6
93.0	60.0	0.0	–	3.1	–	0.0	0.0	0.0	–	–	–	2.8	–
93.0	70.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–	2.8	–
93.0	90.0	0.0	–	3.2	–	–	0.0	0.0	–	–	–	0.0	–
95.0	30.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	27.7	–	–
95.0	31.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	12.1	–	–
95.0	32.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	47.4	–	–
97.0	29.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	119.4	–	–
97.0	30.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	9.4	–	–
97.0	31.0	11.3	–	0.0	–	0.0	0.0	0.0	–	–	153.4	–	–
97.0	32.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	22.8	–	–
97.0	40.0	2.6	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	55.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	2.4	–	–
100.0	30.0	–	–	0.0	–	0.0	0.0	–	–	–	12.1	–	–
100.0	32.0	–	2.9	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
100.0	35.0	–	–	0.0	–	0.0	0.0	0.0	–	–	10.6	–	–
100.0	70.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	3.1	–	–
103.0	31.0	–	11.6	0.0	–	0.0	0.0	0.0	–	–	10.5	–	–
103.0	40.0	–	0.0	12.7	–	0.0	0.0	0.0	–	–	0.0	–	–
103.0	60.0	–	0.0	11.0	–	0.0	0.0	0.0	–	–	0.0	–	–
107.0	31.0	–	0.0	0.0	–	–	0.0	–	0.0	–	26.5	–	–
107.0	32.0	–	0.0	0.0	–	–	0.0	–	0.0	–	10.6	–	–
107.0	33.0	–	12.0	0.0	–	–	0.0	–	0.0	–	23.7	–	–
107.0	40.0	–	12.4	0.0	–	–	0.0	–	11.0	–	0.0	–	–
107.0	60.0	–	0.0	0.0	–	–	0.0	–	0.0	–	2.6	–	–
110.0	31.7	–	–	–	–	–	–	–	0.0	–	4.5	–	–
110.0	32.4	–	0.0	0.0	–	0.0	–	0.0	–	–	8.8	–	–
110.0	33.0	–	0.0	0.0	–	0.0	–	0.0	2.4	–	37.8	–	–
110.0	34.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	7.7	–	–
110.0	35.0	–	11.2	11.4	–	0.0	–	0.0	0.0	–	20.6	–	–
110.0	40.0	–	0.0	0.0	–	0.0	–	11.1	0.0	–	0.0	–	–

TABLE 4. (cont.)

Citharichthys stigmaeus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
110.0	50.0	–	0.0	0.0	–	0.0	–	12.7	0.0	–	64.3	–	–
110.0	60.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	52.2	–	–
113.0	30.0	–	0.0	0.0	–	0.0	–	0.0	18.7	–	299.3	–	–
113.0	31.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	415.0	–	–
113.0	32.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	216.6	–	–
113.0	35.0	–	23.4	0.0	–	0.0	–	0.0	0.0	–	177.3	–	–
113.0	40.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	11.5	–	–
113.0	80.0	–	–	0.0	–	–	–	2.9	0.0	–	0.0	–	–
117.0	25.0	–	0.0	0.0	–	–	–	0.0	0.0	–	6.2	–	–
117.0	26.0	–	0.0	0.0	–	–	–	0.0	32.2	–	0.0	–	–
117.0	27.0	–	0.0	0.0	–	–	–	0.0	0.0	–	29.3	–	–
117.0	28.0	–	0.0	0.0	–	–	–	11.0	0.0	–	15.0	–	–
117.0	30.0	–	0.0	0.0	–	–	–	0.0	0.0	–	430.1	–	–
117.0	60.0	–	0.0	0.0	–	–	–	0.0	0.0	–	2.3	–	–
117.0	70.0	–	–	0.0	–	–	–	0.0	0.0	–	9.8	–	–
118.0	39.0	–	0.0	0.0	–	–	–	0.0	0.0	–	10.0	–	–
119.0	33.0	–	0.0	0.0	–	0.0	–	11.8	0.0	–	0.0	–	–
120.0	24.0	–	0.0	0.0	–	0.0	–	0.0	41.6	–	0.0	–	–
120.0	25.0	–	0.0	0.0	–	0.0	–	0.0	8.4	–	0.0	–	–
120.0	26.0	–	0.0	0.0	–	0.0	–	0.0	42.7	–	0.0	–	–
120.0	45.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	13.0	–	–
120.0	50.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	9.9	–	–
120.0	60.0	–	0.0	0.0	–	0.0	–	0.0	11.1	–	0.0	–	–
123.0	37.0	–	0.0	–	0.0	0.0	–	–	0.0	–	45.2	–	–
123.0	38.0	–	0.0	–	0.0	0.0	–	–	0.0	–	9.4	–	–
127.0	35.0	–	0.0	–	0.0	–	–	–	0.0	–	14.2	–	–
137.0	30.0	–	0.0	–	0.0	–	–	–	0.0	–	11.5	–	–

Hippoglossina stomata

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
83.0	40.6	0.0	–	0.0	–	9.9	0.0	–	0.0	–	0.0	–	–
83.0	49.0	0.0	–	0.0	–	0.0	0.0	–	0.0	–	2.3	–	1.4
88.5	31.0	–	1.7	0.0	–	0.0	0.0	–	0.0	–	0.0	–	0.0
88.5	34.0	–	0.0	0.0	–	13.0	0.0	–	0.0	–	0.0	–	0.0
90.0	27.6	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.5	–	0.0
103.0	29.0	–	2.6	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
107.0	32.0	–	0.0	0.0	–	–	0.0	–	0.0	–	10.6	–	–
110.0	32.4	–	4.8	0.0	–	0.0	–	0.0	–	–	0.0	–	–
113.0	30.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	10.3	–	–
113.0	31.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	10.6	–	–
117.0	25.0	–	0.0	0.0	–	–	–	0.0	2.7	–	0.0	–	–
117.0	28.0	–	2.8	0.0	–	–	–	0.0	10.5	–	0.0	–	–
117.0	30.0	–	0.0	0.0	–	–	–	11.0	10.5	–	2.4	–	–
119.0	33.0	–	0.0	0.0	–	0.0	–	0.0	11.6	–	0.0	–	–

TABLE 4. (cont.)

Hippoglossina stomata (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
120.0	22.4	-	1.6	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	23.0	-	0.0	0.0	-	0.0	-	1.9	0.0	-	0.0	-	-
120.0	25.0	-	0.0	4.9	-	0.0	-	2.7	8.4	-	0.0	-	-
120.0	26.0	-	2.8	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	30.0	-	0.0	0.0	-	0.0	-	0.0	10.1	-	0.0	-	-
120.0	35.0	-	0.0	0.0	-	12.7	-	0.0	10.6	-	0.0	-	-
120.0	40.0	-	2.3	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	60.0	-	0.0	0.0	-	0.0	-	12.4	0.0	-	0.0	-	-
123.0	37.0	-	0.0	-	0.0	0.0	-	-	2.0	-	0.0	-	-
123.0	38.0	-	0.0	-	0.0	0.0	-	-	0.0	-	9.4	-	-
123.0	42.0	-	0.0	-	0.0	0.0	-	-	0.0	-	10.8	-	-
123.0	50.0	-	0.0	0.0	-	0.0	-	-	10.9	-	0.0	-	-
127.0	34.0	-	0.0	-	0.0	-	-	-	2.6	-	0.0	-	-
127.0	35.0	-	2.7	-	0.0	-	-	-	4.7	-	0.0	-	-
130.0	25.6	-	0.0	-	0.0	0.0	-	-	0.0	-	2.4	-	-
130.0	29.0	-	0.0	-	0.0	0.0	-	-	0.0	-	2.2	-	-
133.0	22.0	-	0.0	-	0.0	-	-	-	0.0	-	1.9	-	-
133.0	35.0	-	0.0	-	0.0	-	-	-	0.0	-	11.4	-	-
137.0	20.7	-	0.0	-	0.0	-	-	-	1.4	-	0.0	-	-
137.0	22.0	-	0.0	-	0.0	-	-	-	6.5	-	0.0	-	-
137.0	23.0	-	0.0	-	0.0	-	-	-	2.3	-	0.0	-	-
137.0	35.0	-	0.0	-	0.0	-	-	-	12.8	-	0.0	-	-

Paralichthys californicus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
77.0	48.0	-	0.0	-	1.7	0.0	0.0	-	0.0	-	-	0.0	-
80.0	50.1	-	0.0	1.8	-	0.0	0.0	-	0.0	-	-	0.0	-
81.5	43.5	0.0	-	0.0	-	0.0	0.0	-	2.0	-	0.0	-	-
81.5	44.0	5.4	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	-
81.5	44.5	3.1	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	-
83.0	39.4	0.0	-	0.0	-	0.0	0.0	-	0.0	-	2.0	-	0.0
83.0	40.6	0.0	-	4.5	-	0.0	0.0	-	0.0	-	2.6	-	-
83.0	41.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	2.7	-	0.0
83.0	45.0	3.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	0.0
85.0	37.2	-	0.0	2.5	-	0.0	0.0	-	14.3	-	0.0	-	-
85.0	37.5	2.7	-	0.0	-	0.0	0.0	-	0.0	-	2.4	-	-
85.0	38.0	0.0	-	0.0	-	0.0	0.0	-	11.3	-	0.0	-	-
87.0	32.5	-	1.9	0.0	-	0.0	0.0	-	0.0	-	0.0	-	1.8
87.0	32.7	-	0.0	0.0	-	0.0	9.9	-	0.0	-	5.1	-	0.0
87.0	35.0	-	0.0	0.0	-	11.4	0.0	-	0.0	-	0.0	-	0.0
87.0	36.0	-	0.0	0.0	-	13.0	0.0	-	0.0	-	0.0	-	0.0
88.5	30.4	-	0.0	0.0	-	0.0	0.0	6.2	-	-	2.0	-	0.0
88.5	31.0	-	1.7	4.3	-	0.0	0.0	-	0.0	-	0.0	-	0.0
88.5	32.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	2.7	-	0.0

TABLE 4. (cont.)

Paralichthys californicus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
90.0	27.6	-	0.0	0.0	-	17.3	2.3	9.9	-	-	2.5	-	7.3
90.0	28.0	-	0.0	-	-	0.0	0.0	0.0	-	-	0.0	-	3.2
90.0	29.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	11.9	-	0.0
90.0	32.0	-	3.2	0.0	-	0.0	0.0	0.0	-	-	0.0	-	0.0
91.5	26.5	-	0.0	0.0	-	6.5	13.1	-	-	-	1.6	-	0.0
91.5	26.8	-	0.0	-	-	-	6.0	0.0	-	-	0.0	-	2.7
91.5	28.0	-	0.0	0.0	-	13.0	0.0	0.0	-	-	0.0	-	0.0
93.0	26.7	-	0.0	0.0	-	5.8	0.0	-	-	-	20.8	-	0.0
93.0	26.9	-	16.8	23.4	-	16.6	2.7	0.0	-	-	0.0	-	0.0
93.0	30.0	-	3.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	12.0
95.0	28.0	-	0.0	0.0	-	7.7	0.0	0.0	-	-	2.1	-	-
95.0	29.0	-	0.0	0.0	-	11.2	0.0	2.2	-	-	0.0	-	-
95.0	30.0	-	0.0	0.0	-	0.0	0.0	2.3	-	-	2.0	-	-
95.0	32.0	-	0.0	0.0	-	13.9	0.0	0.0	-	-	0.0	-	-
97.0	28.8	0.0	-	4.2	-	11.8	13.6	0.0	-	-	6.6	-	-
97.0	29.0	3.5	-	2.5	-	0.0	2.6	0.0	-	-	0.0	-	-
97.0	30.0	0.0	-	0.0	-	34.4	5.5	0.0	-	-	0.0	-	-
97.0	35.0	0.0	-	13.9	-	0.0	13.8	0.0	-	-	0.0	-	-
100.0	29.0	-	0.0	0.0	-	0.0	0.0	2.7	-	-	0.0	-	-
100.0	31.0	-	0.0	0.0	-	0.0	0.0	2.6	-	-	0.0	-	-
103.0	28.8	-	0.0	0.0	-	0.0	0.0	0.0	-	-	1.5	-	-
103.0	29.0	-	5.2	8.4	-	10.9	0.0	0.0	-	-	0.0	-	-
103.0	31.0	-	0.0	0.0	-	23.3	0.0	0.0	-	-	0.0	-	-
107.0	30.3	-	0.0	1.4	-	-	1.9	-	6.5	-	0.0	-	-
107.0	30.6	-	2.3	6.6	-	-	0.0	-	0.0	-	5.5	-	-
107.0	31.0	-	29.9	0.0	-	-	0.0	-	0.0	-	17.7	-	-
110.0	32.4	-	21.7	0.0	-	0.0	-	13.1	-	-	0.0	-	-
110.0	33.0	-	10.6	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	29.0	-	0.0	2.4	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	31.0	-	0.0	0.0	-	0.0	-	2.7	0.0	-	0.0	-	-
117.0	25.0	-	0.0	5.0	-	-	-	0.0	2.7	-	4.2	-	-
119.0	33.0	-	0.0	11.6	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	22.4	-	1.6	8.3	-	0.0	-	0.0	43.6	-	0.0	-	-
120.0	22.7	-	0.0	10.6	-	0.0	-	5.8	0.0	-	0.0	-	-
120.0	23.0	-	0.0	45.4	-	0.0	-	25.9	16.1	-	0.0	-	-
120.0	24.0	-	0.0	13.5	-	0.0	-	85.8	8.3	-	0.0	-	-
120.0	25.0	-	0.0	24.7	-	0.0	-	53.2	0.0	-	0.0	-	-
120.0	26.0	-	0.0	12.6	-	0.0	-	31.3	0.0	-	0.0	-	-
120.0	40.0	-	0.0	0.0	-	0.0	-	98.3	1.9	-	0.0	-	-
123.0	35.7	-	0.0	-	0.0	0.0	-	-	2.8	-	0.0	-	-
123.0	36.0	-	5.0	-	0.0	0.0	-	-	5.0	-	0.0	-	-
127.0	32.6	-	18.3	-	0.0	-	-	-	0.0	-	0.0	-	-
127.0	33.0	-	8.1	-	0.0	-	-	-	0.0	-	11.1	-	-
127.0	34.0	-	11.1	-	0.0	-	-	-	0.0	-	0.0	-	-
127.0	35.0	-	24.6	-	0.0	-	-	-	0.0	-	0.0	-	-
127.0	45.0	-	12.5	-	0.0	-	-	-	0.0	-	0.0	-	-

TABLE 4. (cont.)

Paralichthys californicus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
130.0	25.6	–	4.6	–	8.9	0.0	–	–	0.0	–	9.7	–	–
130.0	26.0	–	2.2	–	3.7	0.0	–	–	0.0	–	4.3	–	–
130.0	28.0	–	0.0	–	0.0	0.0	–	–	0.0	–	4.3	–	–
130.0	29.0	–	0.0	–	2.6	0.0	–	–	0.0	–	0.0	–	–
133.0	20.6	–	2.3	–	0.0	–	–	–	9.9	–	0.0	–	–
133.0	21.0	–	0.0	–	0.0	–	–	–	31.3	–	0.0	–	–
133.0	23.0	–	0.0	–	0.0	–	–	–	2.5	–	0.0	–	–
137.0	20.7	–	0.0	–	0.0	–	–	–	1.4	–	0.0	–	–
137.0	22.0	–	0.0	–	2.6	–	–	–	2.2	–	0.0	–	–

Xystreurys liolepis

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
80.0	50.1	–	0.0	0.0	–	0.0	0.0	–	0.0	–	–	3.5	–
120.0	24.0	–	0.0	0.0	–	0.0	–	0.0	8.3	–	2.5	–	–
120.0	35.0	–	0.0	0.0	–	0.0	–	0.0	21.1	–	0.0	–	–
123.0	35.7	–	12.7	–	0.0	0.0	–	–	0.0	–	6.2	–	–
123.0	36.0	–	0.0	–	0.0	0.0	–	–	1.7	–	10.6	–	–
123.0	37.0	–	0.0	–	0.0	0.0	–	–	2.0	–	0.0	–	–
127.0	32.6	–	0.0	–	0.0	–	–	–	0.0	–	25.3	–	–
127.0	33.0	–	5.4	–	0.0	–	–	–	0.0	–	0.0	–	–
130.0	28.0	–	0.0	–	0.0	0.0	–	–	0.0	–	2.1	–	–
133.0	21.0	–	13.3	–	0.0	–	–	–	0.0	–	0.0	–	–
133.0	22.0	–	0.0	–	0.0	–	–	–	0.0	–	9.4	–	–
137.0	22.0	–	5.5	–	0.0	–	–	–	0.0	–	0.0	–	–
137.0	35.0	–	0.0	–	0.0	–	–	–	12.8	–	0.0	–	–

Glyptocephalus zachirus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
73.0	50.0	–	0.0	–	5.6	–	0.0	–	0.0	–	–	0.0	–
73.0	90.0	–	–	–	–	0.0	3.1	–	0.0	–	–	0.0	–
77.0	80.0	–	0.0	–	–	0.0	13.6	–	0.0	–	–	0.0	–
83.0	55.0	0.0	–	0.0	–	0.0	11.3	–	0.0	–	0.0	–	0.0

Hypsopsetta guttulata

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
85.0	37.2	–	0.0	0.0	–	0.0	0.0	–	4.1	–	0.0	–	–
87.0	32.7	–	0.0	0.0	–	0.0	0.0	–	0.0	–	1.7	–	0.0
87.0	36.0	–	0.0	0.0	–	13.0	0.0	–	0.0	–	0.0	–	0.0
88.5	30.4	–	4.0	0.0	–	0.0	0.0	0.0	–	–	0.0	–	0.0
95.0	29.0	–	2.8	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Hypsopsetta guttulata (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
95.0	31.0	–	11.2	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
97.0	28.8	1.5	–	0.0	–	0.0	0.0	0.0	–	–	6.6	–	–
107.0	30.6	–	0.0	2.2	–	–	0.0	–	0.0	–	0.0	–	–
110.0	33.0	–	0.0	11.1	–	0.0	–	0.0	0.0	–	0.0	–	–
120.0	22.7	–	0.0	12.3	–	0.0	–	0.0	0.0	–	0.0	–	–
120.0	25.0	–	0.0	9.9	–	0.0	–	0.0	0.0	–	0.0	–	–
127.0	33.0	–	2.7	–	0.0	–	–	–	0.0	–	0.0	–	–

Lepidopsetta bilineata

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	50.0	–	0.0	–	0.0	–	–	–	10.8	–	–	0.0	–
77.0	48.0	–	0.0	–	0.0	0.0	4.3	–	0.0	–	–	0.0	–
87.0	50.0	0.0	–	0.0	–	0.0	10.4	–	0.0	–	0.0	–	0.0

Lyopsetta exilis

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
77.0	51.0	–	0.0	–	0.0	11.1	0.0	–	–	–	–	0.0	–
81.5	44.5	0.0	–	0.0	–	0.0	0.0	–	2.3	–	0.0	–	–
81.5	45.0	0.0	–	0.0	–	10.6	3.0	–	0.0	–	0.0	–	–
81.5	46.0	0.0	–	0.0	–	13.2	0.0	–	0.0	–	0.0	–	–
83.0	51.0	0.0	–	11.8	–	0.0	0.0	–	0.0	–	0.0	–	0.0
83.0	70.0	0.0	–	0.0	–	0.0	12.5	–	0.0	–	–	–	–
90.0	29.0	–	0.0	0.0	–	10.5	0.0	0.0	–	–	0.0	–	0.0
91.5	29.0	–	0.0	0.0	–	26.0	0.0	0.0	–	–	0.0	–	0.0
93.0	35.0	0.0	–	0.0	–	13.9	0.0	0.0	–	–	0.0	–	0.0
95.0	28.0	–	0.0	0.0	–	7.7	0.0	0.0	–	–	0.0	–	–
95.0	30.0	–	0.0	0.0	–	13.2	0.0	0.0	–	–	0.0	–	–
95.0	31.0	–	0.0	0.0	–	27.5	0.0	0.0	–	–	0.0	–	–
97.0	29.0	0.0	–	0.0	–	13.2	0.0	0.0	–	–	0.0	–	–
100.0	30.0	–	–	0.0	–	26.7	0.0	–	–	–	0.0	–	–
100.0	31.0	–	0.0	0.0	–	11.4	0.0	0.0	–	–	0.0	–	–
113.0	32.0	–	0.0	0.0	–	3.1	–	0.0	0.0	–	0.0	–	–
113.0	35.0	–	0.0	0.0	–	3.3	–	0.0	0.0	–	0.0	–	–
119.0	33.0	–	0.0	0.0	–	0.0	–	11.8	0.0	–	0.0	–	–
120.0	30.0	–	0.0	0.0	–	0.0	–	2.8	0.0	–	0.0	–	–

Microstomus pacificus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
63.0	65.0	–	11.6	–	0.0	–	–	–	–	–	–	0.0	–
63.0	80.0	–	–	–	–	9.1	–	–	–	–	–	–	–

TABLE 4. (cont.)

Microstomus pacificus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
70.0	60.0	–	0.0	–	0.0	–	0.0	–	12.2	–	–	0.0	–
77.0	60.0	–	0.0	–	0.0	0.0	12.2	–	0.0	–	–	0.0	–
77.0	80.0	–	0.0	–	–	0.0	13.6	–	0.0	–	–	0.0	–
77.0	90.0	–	–	–	–	0.0	3.0	–	0.0	–	–	0.0	–
80.0	60.0	–	0.0	0.0	–	0.0	12.2	–	0.0	–	–	0.0	–
83.0	90.0	–	0.0	0.0	–	2.9	0.0	–	0.0	–	0.0	–	–
87.0	70.0	0.0	–	0.0	–	0.0	3.0	–	0.0	–	0.0	–	–
90.0	70.0	0.0	–	0.0	–	0.0	2.9	0.0	–	–	–	0.0	–

Parophrys vetulus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	50.0	–	15.4	–	0.0	–	–	–	0.0	–	–	101.2	–
60.0	52.0	–	0.0	–	2.5	–	–	–	0.0	–	–	0.0	–
60.0	55.0	–	0.0	–	11.3	–	–	–	0.0	–	–	11.8	–
60.0	60.0	–	0.0	–	0.0	–	–	–	0.0	–	–	13.2	–
63.0	52.0	–	0.0	–	0.0	–	–	–	0.0	–	–	12.4	–
66.0	49.0	–	–	–	8.6	–	–	–	0.0	–	–	0.0	–
73.0	50.0	–	0.0	–	11.2	–	0.0	–	0.0	–	–	0.0	–
80.0	50.1	–	0.0	1.8	–	0.0	0.0	–	0.0	–	–	0.0	–
80.0	52.0	–	14.5	0.0	–	33.0	0.0	–	0.0	–	–	0.0	–
81.5	43.5	4.7	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	–
81.5	44.0	2.7	–	2.7	–	34.6	0.0	–	0.0	–	0.0	–	–
81.5	44.5	0.0	–	0.0	–	32.3	0.0	–	0.0	–	0.0	–	–
81.5	45.0	0.0	–	0.0	–	10.6	0.0	–	0.0	–	0.0	–	–
81.5	46.0	0.0	–	0.0	–	13.2	0.0	–	0.0	–	0.0	–	–
81.5	47.0	0.0	–	0.0	–	25.5	0.0	–	0.0	–	0.0	–	–
83.0	40.6	0.0	–	2.3	–	0.0	0.0	–	0.0	–	0.0	–	–
83.0	41.0	0.0	–	2.8	–	24.2	0.0	–	0.0	–	0.0	–	0.0
83.0	48.0	0.0	–	0.0	–	11.0	0.0	–	0.0	–	0.0	–	0.0
83.0	51.0	0.0	–	11.8	–	0.0	0.0	–	0.0	–	0.0	–	0.0
85.0	37.5	0.0	–	0.0	–	0.0	0.0	–	2.9	–	0.0	–	–
87.0	32.5	–	0.0	0.0	–	0.0	9.0	–	0.0	–	0.0	–	0.0
87.0	33.0	–	0.0	0.0	–	0.0	11.2	–	0.0	–	0.0	–	0.0
87.0	36.0	–	0.0	0.0	–	13.0	0.0	–	0.0	–	0.0	–	0.0
87.0	50.0	10.6	–	0.0	–	0.0	0.0	–	0.0	–	0.0	–	0.0
90.0	27.6	–	0.0	0.0	–	2.2	0.0	0.0	–	–	0.0	–	0.0
90.0	32.0	–	3.2	0.0	–	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	45.0	0.0	–	13.0	–	0.0	0.0	0.0	–	–	–	0.0	0.0
91.5	26.5	–	0.0	0.0	–	6.5	0.0	–	–	–	0.0	–	0.0
91.5	26.8	–	0.0	–	–	–	3.0	0.0	–	–	0.0	–	0.0
91.5	27.0	–	–	0.0	–	46.6	–	–	–	–	–	–	–
91.5	28.0	–	0.0	0.0	–	13.0	0.0	0.0	–	–	0.0	–	0.0
93.0	26.9	–	0.0	0.0	–	33.1	0.0	0.0	–	–	0.0	–	0.0
93.0	28.0	–	0.0	0.0	–	13.2	0.0	0.0	–	–	0.0	–	0.0

TABLE 4. (cont.)

Parophrys vetulus (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
95.0	28.0	-	0.0	0.0	-	15.4	0.0	0.0	-	-	0.0	-	-
95.0	29.0	-	0.0	0.0	-	0.0	9.0	0.0	-	-	0.0	-	-
95.0	30.0	-	0.0	0.0	-	53.0	0.0	0.0	-	-	0.0	-	-
97.0	28.8	0.0	-	0.0	-	11.8	2.3	0.0	-	-	0.0	-	-
97.0	29.0	0.0	-	0.0	-	0.0	2.6	2.5	-	-	0.0	-	-
97.0	30.0	0.0	-	0.0	-	0.0	2.7	0.0	-	-	0.0	-	-
103.0	30.0	-	0.0	0.0	-	35.0	0.0	0.0	-	-	0.0	-	-
103.0	31.0	-	0.0	0.0	-	11.6	0.0	0.0	-	-	0.0	-	-
110.0	32.4	-	0.0	0.0	-	24.6	-	0.0	-	-	0.0	-	-
110.0	33.0	-	0.0	33.4	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	34.0	-	0.0	0.0	-	3.4	-	0.0	0.0	-	0.0	-	-
113.0	35.0	-	0.0	0.0	-	3.3	-	0.0	0.0	-	0.0	-	-
117.0	26.0	-	0.0	11.3	-	-	-	0.0	0.0	-	0.0	-	-
120.0	30.0	-	0.0	0.0	-	11.8	-	0.0	0.0	-	0.0	-	-

Platichthys stellatus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
87.0	34.0	-	0.0	11.2	-	0.0	0.0	-	0.0	-	0.0	-	0.0

Pleuronichthys spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
120.0	24.0	-	0.0	0.0	-	0.0	-	5.2	0.0	-	0.0	-	-
120.0	40.0	-	2.3	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-

Pleuronichthys coenosus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
117.0	45.0	-	0.0	2.9	-	-	-	0.0	0.0	-	0.0	-	-
133.0	22.0	-	0.0	-	0.0	-	-	-	2.4	-	0.0	-	-
133.0	23.0	-	0.0	-	0.0	-	-	-	2.5	-	0.0	-	-

Pleuronichthys decurrens

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	70.0	-	10.6	-	-	0.0	-	-	0.0	-	-	0.0	-
73.0	53.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	-	11.4	-
87.0	33.0	-	0.0	0.0	-	10.8	0.0	-	0.0	-	0.0	-	0.0
87.0	60.0	0.0	-	-	-	12.7	0.0	-	0.0	-	0.0	-	0.0

TABLE 4. (cont.)

Pleuronichthys ritteri

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
81.5	43.5	0.0	-	0.0	-	0.0	0.0	-	0.0	-	2.6	-	-
83.0	42.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	11.2	-	0.0
88.5	31.0	-	0.0	0.0	-	0.0	0.0	-	2.3	-	0.0	-	0.0
90.0	27.6	-	0.0	0.0	-	2.2	0.0	0.0	-	-	0.0	-	0.0
91.5	26.5	-	0.0	0.0	-	0.0	0.0	-	-	-	4.9	-	0.0
93.0	26.7	-	0.0	0.0	-	0.0	0.0	-	-	-	1.6	-	0.0
97.0	28.8	0.0	-	0.0	-	11.8	0.0	0.0	-	-	0.0	-	-
113.0	28.8	-	2.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-
117.0	25.0	-	0.0	0.0	-	-	-	0.0	0.0	-	2.1	-	-
117.0	27.0	-	0.0	0.0	-	-	-	0.0	0.0	-	2.4	-	-
117.0	30.0	-	0.0	0.0	-	-	-	0.0	0.0	-	2.4	-	-
119.0	33.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	3.6	-	-
120.0	22.4	-	0.0	3.3	-	0.0	-	0.0	13.1	-	0.0	-	-
120.0	22.7	-	0.0	0.0	-	0.0	-	7.7	0.0	-	0.0	-	-
120.0	23.0	-	0.0	3.8	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	24.0	-	0.0	7.7	-	0.0	-	0.0	8.3	-	0.0	-	-
120.0	25.0	-	0.0	2.5	-	0.0	-	0.0	0.0	-	2.4	-	-
120.0	30.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.5	-	-
120.0	40.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	1.9	-	-
123.0	35.7	-	0.0	-	0.0	0.0	-	-	0.0	-	2.1	-	-
123.0	36.0	-	0.0	-	0.0	0.0	-	-	1.7	-	21.1	-	-
123.0	37.0	-	0.0	-	0.0	0.0	-	-	0.0	-	9.0	-	-
127.0	32.6	-	0.0	-	0.0	-	-	-	0.0	-	16.9	-	-
127.0	33.0	-	2.7	-	0.0	-	-	-	0.0	-	33.4	-	-
130.0	25.6	-	0.0	-	1.3	0.0	-	-	0.0	-	0.0	-	-
130.0	26.0	-	0.0	-	5.6	0.0	-	-	0.0	-	0.0	-	-
130.0	27.0	-	0.0	-	0.0	0.0	-	-	0.0	-	8.3	-	-
130.0	29.0	-	0.0	-	5.3	0.0	-	-	0.0	-	0.0	-	-
130.0	30.0	-	0.0	-	2.7	0.0	-	-	0.0	-	0.0	-	-
137.0	20.7	-	0.0	-	0.0	-	-	-	0.0	-	1.9	-	-

Pleuronichthys verticalis

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
73.0	50.0	-	0.0	-	5.6	-	0.0	-	0.0	-	-	0.0	-
80.0	50.1	-	1.9	5.3	-	0.0	0.0	-	0.0	-	-	0.0	-
81.5	43.5	0.0	-	0.0	-	17.8	0.0	-	2.0	-	0.0	-	-
81.5	44.0	0.0	-	0.0	-	11.5	0.0	-	0.0	-	0.0	-	-
81.5	44.5	0.0	-	0.0	-	0.0	0.0	-	0.0	-	2.1	-	-
83.0	40.6	0.0	-	0.0	-	0.0	0.0	-	0.0	-	2.6	-	-
83.0	41.0	0.0	-	0.0	-	0.0	0.0	-	2.7	-	0.0	-	0.0
83.0	43.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	13.5
83.0	48.0	0.0	-	12.0	-	0.0	0.0	-	0.0	-	0.0	-	0.0
83.0	49.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	2.3	-	0.0
85.0	37.2	-	0.0	0.0	-	11.0	0.0	-	6.1	-	2.5	-	-

TABLE 4. (cont.)

Pleuronichthys verticalis (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
85.0	37.5	0.0	-	0.0	-	8.4	0.0	-	34.4	-	0.0	-	-
85.0	40.0	0.0	-	0.0	-	0.0	0.0	-	11.9	-	0.0	-	-
87.0	32.5	-	0.0	3.6	-	0.0	0.0	-	0.0	-	0.0	-	0.0
87.0	32.7	-	0.0	6.5	-	0.0	0.0	-	0.0	-	0.0	-	0.0
87.0	33.0	-	0.0	0.0	-	0.0	22.5	-	0.0	-	0.0	-	0.0
87.0	36.0	-	0.0	0.0	-	0.0	15.2	-	0.0	-	0.0	-	0.0
88.5	30.4	-	0.0	6.2	-	2.7	0.0	0.0	-	-	0.0	-	0.0
88.5	31.0	-	0.0	2.1	-	9.7	0.0	-	0.0	-	0.0	-	0.0
88.5	32.0	-	0.0	7.9	-	0.0	0.0	-	0.0	-	0.0	-	0.0
90.0	27.6	-	0.0	2.7	-	82.1	9.2	0.0	-	-	0.0	-	2.4
90.0	30.0	-	0.0	0.0	-	13.8	0.0	0.0	-	-	0.0	-	0.0
91.5	26.5	-	0.0	0.0	-	19.4	4.4	-	-	-	0.0	-	0.0
91.5	26.8	-	0.0	-	-	-	3.0	0.0	-	-	0.0	-	0.0
91.5	28.0	-	0.0	0.0	-	0.0	13.3	0.0	-	-	0.0	-	0.0
93.0	26.7	-	0.0	0.0	-	0.0	0.0	-	-	-	3.2	-	0.0
93.0	26.9	-	0.0	0.0	-	8.3	5.3	0.0	-	-	0.0	-	0.0
93.0	28.0	-	0.0	0.0	-	13.2	0.0	0.0	-	-	0.0	-	0.0
93.0	29.0	-	0.0	0.0	-	13.7	0.0	0.0	-	-	0.0	-	0.0
95.0	28.0	-	0.0	1.8	-	0.0	0.0	0.0	-	-	0.0	-	-
95.0	29.0	-	0.0	0.0	-	0.0	0.0	2.2	-	-	2.0	-	-
95.0	30.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	2.0	-	-
97.0	28.8	0.0	-	0.0	-	23.6	4.5	1.5	-	-	0.0	-	-
97.0	29.0	0.0	-	0.0	-	0.0	5.1	7.7	-	-	0.0	-	-
97.0	30.0	0.0	-	0.0	-	11.5	0.0	0.0	-	-	0.0	-	-
100.0	30.0	-	-	0.0	-	0.0	12.2	-	-	-	0.0	-	-
100.0	31.0	-	0.0	0.0	-	11.4	0.0	0.0	-	-	0.0	-	-
100.0	35.0	-	-	0.0	-	25.7	0.0	0.0	-	-	0.0	-	-
103.0	28.8	-	0.0	0.0	-	0.0	0.0	1.0	-	-	0.0	-	-
103.0	29.0	-	0.0	0.0	-	0.0	11.5	0.0	-	-	0.0	-	-
103.0	30.0	-	0.0	0.0	-	0.0	11.5	0.0	-	-	0.0	-	-
103.0	32.0	-	0.0	11.8	-	0.0	0.0	24.4	-	-	0.0	-	-
107.0	30.3	-	0.0	1.4	-	-	0.0	-	2.2	-	0.0	-	-
107.0	30.6	-	0.0	0.0	-	-	0.0	-	0.0	-	1.8	-	-
107.0	31.0	-	0.0	0.0	-	-	0.0	-	4.6	-	17.7	-	-
113.0	29.0	-	0.0	7.1	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	30.0	-	0.0	2.8	-	11.0	-	12.7	4.2	-	0.0	-	-
113.0	31.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	10.6	-	-
113.0	32.0	-	0.0	0.0	-	0.0	-	2.9	0.0	-	0.0	-	-
117.0	25.0	-	0.0	0.0	-	-	-	14.6	5.3	-	6.2	-	-
117.0	26.0	-	0.0	0.0	-	-	-	0.0	10.7	-	0.0	-	-
117.0	27.0	-	0.0	0.0	-	-	-	0.0	9.8	-	2.4	-	-
117.0	28.0	-	0.0	0.0	-	-	-	0.0	10.5	-	0.0	-	-
117.0	30.0	-	0.0	0.0	-	-	-	0.0	13.2	-	0.0	-	-
119.0	33.0	-	0.0	11.6	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	23.0	-	0.0	0.0	-	18.9	-	0.0	0.0	-	0.0	-	-
120.0	24.0	-	0.0	3.9	-	0.0	-	0.0	0.0	-	0.0	-	-

TABLE 4. (cont.)

Pleuronichthys verticalis (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
120.0	25.0	–	0.0	2.5	–	0.0	–	8.0	16.8	–	2.4	–	–
120.0	26.0	–	0.0	15.1	–	11.0	–	0.0	0.0	–	0.0	–	–
120.0	30.0	–	0.0	10.9	–	0.0	–	2.8	10.1	–	0.0	–	–
120.0	40.0	–	0.0	0.0	–	0.0	–	10.9	5.6	–	5.8	–	–
123.0	36.0	–	0.0	–	0.0	0.0	–	–	1.7	–	42.2	–	–
127.0	33.0	–	0.0	–	2.5	–	–	–	0.0	–	0.0	–	–
127.0	35.0	–	0.0	–	0.0	–	–	–	4.7	–	0.0	–	–
130.0	27.0	–	0.0	–	5.2	0.0	–	–	0.0	–	0.0	–	–
130.0	35.0	–	0.0	–	0.0	0.0	–	–	11.4	–	0.0	–	–
137.0	22.0	–	0.0	–	0.0	–	–	–	6.5	–	0.0	–	–

Psettichthys melanostictus

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
66.0	49.0	–	–	–	5.6	–	–	–	0.0	–	–	0.0	–
77.0	48.0	–	0.0	–	0.0	17.9	0.0	–	0.0	–	–	0.0	–

Symphurus spp.

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
88.5	30.4	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.0	–	0.0
90.0	28.0	–	3.0	–	–	0.0	0.0	0.0	–	–	2.7	–	0.0
90.0	31.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.9	–	0.0
97.0	30.0	2.2	–	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
110.0	55.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	11.4	–	–
113.0	50.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	2.8	–	–
113.0	80.0	–	–	0.0	–	–	–	0.0	0.0	–	33.4	–	–
117.0	70.0	–	–	0.0	–	–	–	0.0	0.0	–	32.6	–	–
117.0	80.0	–	–	0.0	–	–	–	0.0	0.0	–	14.1	–	–
118.0	39.0	–	0.0	0.0	–	–	–	0.0	0.0	–	10.0	–	–
120.0	40.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	118.3	–	–
120.0	45.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	194.4	–	–
120.0	50.0	–	0.0	0.0	–	0.0	–	0.0	0.0	–	29.8	–	–
123.0	35.7	–	0.0	–	0.0	0.0	–	–	0.0	–	2.1	–	–
123.0	45.0	–	0.0	0.0	–	0.0	–	–	0.0	–	23.6	–	–
123.0	50.0	–	0.0	0.0	–	0.0	–	–	0.0	–	11.0	–	–
127.0	34.0	–	0.0	–	0.0	–	–	–	0.0	–	10.8	–	–
127.0	35.0	–	2.7	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0	36.0	–	0.0	–	0.0	–	–	–	0.0	–	9.3	–	–
127.0	40.0	–	0.0	–	0.0	–	–	–	0.0	–	14.3	–	–
127.0	45.0	–	0.0	–	0.0	–	–	–	0.0	–	11.6	–	–
130.0	27.0	–	0.0	–	0.0	0.0	–	–	0.0	–	8.3	–	–
130.0	28.0	–	0.0	–	0.0	0.0	–	–	0.0	–	4.3	–	–
130.0	29.0	–	0.0	–	0.0	0.0	–	–	0.0	–	19.7	–	–

TABLE 4. (cont.)

Symphurus spp. (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
133.0	20.6	-	4.7	-	0.0	-	-	-	0.0	-	0.0	-	-
133.0	21.0	-	2.2	-	0.0	-	-	-	0.0	-	7.7	-	-
133.0	22.0	-	0.0	-	0.0	-	-	-	0.0	-	5.6	-	-
137.0	20.7	-	8.0	-	0.0	-	-	-	0.0	-	0.0	-	-
137.0	22.0	-	8.2	-	0.0	-	-	-	0.0	-	0.0	-	-
137.0	23.0	-	34.2	-	0.0	-	-	-	2.3	-	0.0	-	-
137.0	30.0	-	0.0	-	0.0	-	-	-	0.0	-	11.5	-	-

Disintegrated fish larva

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	50.0	-	7.7	-	0.0	-	-	-	0.0	-	-	0.0	-
60.0	52.0	-	0.0	-	5.1	-	-	-	0.0	-	-	0.0	-
60.0	60.0	-	11.1	-	0.0	-	-	-	0.0	-	-	0.0	-
60.0	65.0	-	12.1	-	-	0.0	-	-	0.0	-	-	0.0	-
67.0	50.0	-	0.0	-	12.6	-	-	-	0.0	-	-	0.0	-
67.0	55.0	-	-	-	6.4	-	-	-	0.0	-	-	0.0	-
70.0	53.0	-	0.0	-	6.4	-	0.0	-	0.0	-	-	0.0	-
70.0	60.0	-	0.0	-	0.0	-	0.0	-	0.0	-	-	10.1	-
70.0	90.0	-	-	-	11.5	-	0.0	-	0.0	-	-	0.0	-
73.0	60.0	-	0.0	-	6.4	0.0	0.0	-	0.0	-	-	0.0	-
77.0	51.0	-	0.0	-	0.0	33.2	0.0	-	-	-	-	0.0	-
77.0	60.0	-	0.0	-	38.6	0.0	0.0	-	0.0	-	-	0.0	-
77.0	70.0	-	0.0	-	0.0	0.0	0.0	-	11.8	-	-	0.0	-
77.0	90.0	-	-	-	-	5.8	0.0	-	0.0	-	-	0.0	-
80.0	51.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	-	2.6	-
80.0	54.0	-	12.2	0.0	-	0.0	11.6	-	0.0	-	-	0.0	-
80.0	55.0	-	12.4	0.0	-	11.7	0.0	-	0.0	-	-	0.0	-
80.0	60.0	-	22.2	0.0	-	0.0	0.0	-	0.0	-	-	0.0	-
80.0	70.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	-	10.9	-
80.0	90.0	-	0.0	3.2	-	3.0	0.0	-	0.0	-	-	0.0	-
81.5	44.0	5.4	-	0.0	-	23.0	0.0	-	0.0	-	0.0	-	-
81.5	44.5	0.0	-	0.0	-	10.8	0.0	-	0.0	-	0.0	-	-
81.5	46.0	0.0	-	0.0	-	13.2	0.0	-	0.0	-	0.0	-	-
83.0	39.4	0.0	-	6.0	-	0.0	0.0	-	0.0	-	0.0	-	0.0
83.0	42.0	0.0	-	0.0	-	10.4	0.0	-	0.0	-	0.0	-	0.0
83.0	43.0	0.0	-	0.0	-	46.6	0.0	-	0.0	-	11.8	-	0.0
83.0	44.7	2.8	-	0.0	-	32.6	0.0	-	0.0	-	0.0	-	-
83.0	45.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	11.8
83.0	48.0	0.0	-	0.0	-	11.0	0.0	-	0.0	-	0.0	-	0.0
83.0	49.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	1.4
83.0	50.0	0.0	-	0.0	-	2.5	0.0	-	0.0	-	0.0	-	4.9
83.0	55.0	11.6	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	0.0
83.0	80.0	0.0	-	0.0	-	3.2	0.0	-	0.0	-	0.0	-	-
83.0	90.0	-	0.0	0.0	-	0.0	17.8	-	0.0	-	0.0	-	-

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
87.0	32.7	-	0.0	0.0	-	20.6	0.0	-	0.0	-	0.0	-	0.0
87.0	33.0	-	0.0	0.0	-	21.7	0.0	-	0.0	-	0.0	-	0.0
87.0	34.0	-	0.0	0.0	-	0.0	15.1	-	0.0	-	0.0	-	0.0
87.0	36.0	-	0.0	0.0	-	0.0	45.6	-	0.0	-	0.0	-	0.0
87.0	40.0	0.0	-	0.0	-	12.7	0.0	-	0.0	-	0.0	-	0.0
87.0	45.0	0.0	-	0.0	-	38.2	0.0	-	0.0	-	0.0	-	13.0
87.0	70.0	0.0	-	0.0	-	35.1	9.0	-	0.0	-	0.0	-	-
87.0	90.0	0.0	-	0.0	-	5.7	0.0	-	3.1	-	0.0	-	-
88.5	31.0	-	0.0	0.0	-	4.8	0.0	-	0.0	-	0.0	-	0.0
88.5	33.0	-	0.0	-	-	0.0	0.0	-	0.0	-	0.0	-	26.5
88.5	34.0	-	0.0	0.0	-	26.0	0.0	-	0.0	-	0.0	-	14.4
90.0	30.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	13.2
90.0	31.0	-	12.1	0.0	-	0.0	0.0	0.0	-	-	0.0	-	0.0
90.0	45.0	0.0	-	13.0	-	0.0	0.0	0.0	-	-	-	0.0	0.0
90.0	60.0	0.0	-	3.2	-	3.4	0.0	0.0	-	-	-	0.0	-
90.0	70.0	0.0	-	0.0	-	3.7	0.0	0.0	-	-	-	0.0	-
90.0	80.0	0.0	-	2.9	-	0.0	0.0	0.0	-	-	-	0.0	-
90.0	90.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-	2.7	-
91.5	26.5	-	0.0	2.0	-	0.0	0.0	-	-	-	0.0	-	0.0
91.5	28.0	-	0.0	0.0	-	13.0	0.0	5.7	-	-	0.0	-	0.0
93.0	26.9	-	0.0	0.0	-	8.3	0.0	0.0	-	-	0.0	-	0.0
93.0	29.0	-	0.0	0.0	-	0.0	0.0	11.3	-	-	0.0	-	0.0
93.0	40.0	0.0	-	11.6	-	0.0	0.0	0.0	-	-	0.0	-	23.8
93.0	45.0	0.0	-	0.0	-	10.0	0.0	0.0	-	-	0.0	-	0.0
93.0	50.0	0.0	-	11.8	-	0.0	0.0	0.0	-	-	0.0	-	0.0
93.0	60.0	0.0	-	0.0	-	0.0	0.0	2.9	-	-	-	0.0	-
93.0	70.0	0.0	-	8.9	-	0.0	0.0	0.0	-	-	-	0.0	-
93.0	80.0	0.0	-	0.0	-	0.0	0.0	2.8	-	-	-	0.0	-
93.0	90.0	0.0	-	0.0	-	-	0.0	3.1	-	-	-	0.0	-
93.0	100.0	2.9	-	6.3	-	-	-	-	-	-	-	-	-
95.0	29.0	-	0.0	0.0	-	11.2	0.0	0.0	-	-	0.0	-	-
95.0	32.0	-	0.0	0.0	-	13.9	27.8	3.0	-	-	0.0	-	-
97.0	29.0	0.0	-	0.0	-	0.0	0.0	5.1	-	-	0.0	-	-
97.0	30.0	0.0	-	0.0	-	0.0	5.5	0.0	-	-	0.0	-	-
97.0	35.0	0.0	-	27.8	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	40.0	0.0	-	0.0	-	6.7	3.1	0.0	-	-	0.0	-	-
97.0	45.0	0.0	-	12.6	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	50.0	0.0	-	26.9	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	55.0	10.5	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	70.0	0.0	-	23.1	-	3.3	0.0	0.0	-	-	3.2	-	-
97.0	90.0	0.0	-	9.9	-	-	0.0	5.5	-	-	0.0	-	-
100.0	31.0	-	0.0	0.0	-	11.4	0.0	0.0	-	-	0.0	-	-
100.0	32.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	11.6	-	-
100.0	35.0	-	-	0.0	-	25.7	0.0	0.0	-	-	0.0	-	-
100.0	60.0	-	0.0	0.0	-	0.0	0.0	2.9	-	-	0.0	-	-
100.0	70.0	-	0.0	8.8	-	3.7	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
100.0	80.0	-	0.0	6.2	-	0.0	0.0	0.0	-	-	2.7	-	-
100.0	90.0	-	-	-	-	-	-	7.7	-	-	0.0	-	-
103.0	28.8	-	0.0	0.0	-	8.4	0.0	0.0	-	-	0.0	-	-
103.0	32.0	-	0.0	0.0	-	11.7	0.0	0.0	-	-	0.0	-	-
103.0	60.0	-	0.0	11.0	-	0.0	0.0	0.0	-	-	0.0	-	-
103.0	70.0	-	0.0	3.2	-	0.0	0.0	0.0	-	-	0.0	-	-
103.0	80.0	-	0.0	0.0	-	-	3.1	0.0	-	-	0.0	-	-
103.0	90.0	-	-	-	-	-	-	0.0	-	-	2.7	-	-
107.0	30.6	-	0.0	0.0	-	-	0.0	-	1.6	-	0.0	-	-
107.0	33.0	-	0.0	12.0	-	-	0.0	-	0.0	-	0.0	-	-
107.0	34.0	-	0.0	12.0	-	-	0.0	-	0.0	-	0.0	-	-
107.0	35.0	-	0.0	12.1	-	-	0.0	-	0.0	-	0.0	-	-
107.0	70.0	-	-	0.0	-	-	0.0	2.8	-	-	0.0	-	-
107.0	80.0	-	-	0.0	-	-	2.7	2.7	-	-	0.0	-	-
110.0	33.0	-	0.0	0.0	-	0.0	-	0.0	2.4	-	9.4	-	-
110.0	34.0	-	0.0	0.0	-	0.0	-	12.2	2.8	-	0.0	-	-
110.0	35.0	-	0.0	0.0	-	27.1	-	0.0	0.0	-	0.0	-	-
110.0	45.0	-	0.0	0.0	-	0.0	-	0.0	10.0	-	0.0	-	-
110.0	50.0	-	0.0	0.0	-	0.0	-	0.0	9.9	-	0.0	-	-
110.0	60.0	-	0.0	0.0	-	0.0	-	0.0	9.1	-	0.0	-	-
110.0	70.0	-	-	0.0	-	-	-	6.4	0.0	-	0.0	-	-
110.0	80.0	-	-	0.0	-	-	-	0.0	2.9	-	0.0	-	-
113.0	28.8	-	0.0	0.0	-	0.0	-	0.0	0.0	-	2.5	-	-
113.0	29.0	-	0.0	0.0	-	0.0	-	0.0	1.6	-	0.0	-	-
113.0	30.0	-	0.0	0.0	-	0.0	-	0.0	2.1	-	0.0	-	-
113.0	31.0	-	0.0	10.7	-	0.0	-	0.0	2.2	-	0.0	-	-
113.0	32.0	-	0.0	0.0	-	3.1	-	0.0	0.0	-	0.0	-	-
113.0	50.0	-	0.0	0.0	-	0.0	-	0.0	22.6	-	0.0	-	-
113.0	60.0	-	0.0	11.5	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	70.0	-	-	3.0	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	80.0	-	-	11.5	-	-	-	0.0	4.6	-	0.0	-	-
117.0	27.0	-	0.0	11.6	-	-	-	0.0	0.0	-	0.0	-	-
117.0	35.0	-	0.0	0.0	-	-	-	0.0	10.6	-	0.0	-	-
117.0	40.0	-	0.0	12.4	-	-	-	0.0	0.0	-	12.2	-	-
117.0	60.0	-	0.0	2.8	-	-	-	0.0	5.5	-	0.0	-	-
117.0	70.0	-	-	0.0	-	-	-	0.0	2.7	-	9.8	-	-
117.0	80.0	-	-	2.9	-	-	-	0.0	22.2	-	0.0	-	-
119.0	33.0	-	0.0	23.3	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	22.4	-	0.0	3.3	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	22.7	-	0.0	1.8	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	23.0	-	0.0	3.8	-	0.0	-	3.7	10.7	-	0.0	-	-
120.0	24.0	-	0.0	3.9	-	0.0	-	0.0	16.6	-	0.0	-	-
120.0	30.0	-	2.9	10.9	-	0.0	-	8.3	0.0	-	0.0	-	-
120.0	35.0	-	0.0	0.0	-	0.0	-	0.0	10.6	-	2.1	-	-
120.0	40.0	-	0.0	2.2	-	1.4	-	10.9	0.0	-	0.0	-	-
120.0	45.0	-	0.0	5.8	-	0.0	-	0.0	10.5	-	13.0	-	-

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
120.0	50.0	–	0.0	0.0	–	0.0	–	22.0	0.0	–	19.8	–	–
120.0	70.0	–	–	5.8	–	0.0	–	0.0	0.0	–	3.0	–	–
120.0	80.0	–	–	0.0	–	–	–	0.0	10.6	–	0.0	–	–
123.0	36.0	–	5.0	–	0.0	0.0	–	–	1.7	–	0.0	–	–
123.0	37.0	–	0.0	–	2.6	0.0	–	–	2.0	–	9.0	–	–
123.0	39.0	–	0.0	–	0.0	0.0	–	–	0.0	–	11.6	–	–
123.0	42.0	–	0.0	–	12.0	68.0	–	–	2.7	–	0.0	–	–
123.0	60.0	–	0.0	0.0	–	0.0	–	–	0.0	–	6.2	–	–
127.0	32.6	–	0.0	–	0.0	–	–	–	0.0	–	8.4	–	–
127.0	33.0	–	8.1	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0	35.0	–	2.7	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0	36.0	–	0.0	–	0.0	–	–	–	0.0	–	9.3	–	–
127.0	40.0	–	5.9	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0	50.0	–	0.0	–	11.6	–	–	–	5.1	–	0.0	–	–
130.0	25.6	–	0.0	–	1.3	0.0	–	–	0.0	–	7.3	–	–
130.0	26.0	–	2.2	–	1.9	0.0	–	–	0.0	–	2.2	–	–
130.0	28.0	–	2.7	–	0.0	0.0	–	–	0.0	–	0.0	–	–
130.0	29.0	–	0.0	–	5.3	0.0	–	–	0.0	–	0.0	–	–
130.0	30.0	–	2.7	–	5.4	0.0	–	–	0.0	–	0.0	–	–
130.0	35.0	–	0.0	–	0.0	14.0	–	–	0.0	–	0.0	–	–
130.0	40.0	–	0.0	–	0.0	0.0	–	–	11.6	–	11.2	–	–
130.0	50.0	–	0.0	–	0.0	0.0	–	–	12.8	–	2.8	–	–
130.0	60.0	–	0.0	–	0.0	30.6	–	–	0.0	–	0.0	–	–
133.0	20.6	–	2.3	–	0.0	–	–	–	0.0	–	5.2	–	–
133.0	21.0	–	6.6	–	0.0	–	–	–	0.0	–	3.1	–	–
133.0	22.0	–	10.0	–	0.0	–	–	–	0.0	–	0.0	–	–
133.0	23.0	–	2.4	–	0.0	–	–	–	0.0	–	2.7	–	–
133.0	35.0	–	0.0	–	2.8	–	–	–	0.0	–	0.0	–	–
133.0	40.0	–	0.0	–	11.2	–	–	–	0.0	–	0.0	–	–
137.0	20.7	–	0.0	–	0.0	–	–	–	0.0	–	1.9	–	–
137.0	22.0	–	0.0	–	0.0	–	–	–	0.0	–	2.1	–	–
137.0	23.0	–	5.7	–	0.0	–	–	–	0.0	–	0.0	–	–
137.0	24.0	–	0.0	–	2.6	–	–	–	0.0	–	0.0	–	–
137.0	35.0	–	0.0	–	6.1	–	–	–	0.0	–	0.0	–	–
137.0	40.0	–	3.0	–	0.0	–	–	–	0.0	–	0.0	–	–
137.0	60.0	–	9.0	–	2.9	–	–	–	0.0	–	3.1	–	–

Unidentified fish larva

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
60.0	50.0	–	0.0	–	0.0	–	–	–	0.0	–	–	30.4	–
60.0	52.0	–	0.0	–	0.0	–	–	–	0.0	–	–	25.6	–
63.0	50.0	–	0.0	–	0.8	–	–	–	–	–	–	0.0	–
63.0	65.0	–	11.6	–	0.0	–	–	–	–	–	–	0.0	–
66.0	49.0	–	–	–	6.5	–	–	–	0.0	–	–	0.0	–

TABLE 4. (cont.)

Unidentified fish larva (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
67.0	50.0	-	0.0	-	10.7	-	-	-	0.0	-	-	0.0	-
67.0	90.0	-	-	-	2.8	-	-	-	-	-	-	-	-
70.0	53.0	-	0.0	-	5.2	-	0.0	-	0.0	-	-	0.0	-
70.0	60.0	-	0.0	-	6.3	-	0.0	-	0.0	-	-	0.0	-
73.0	50.0	-	11.9	-	5.6	-	0.0	-	0.0	-	-	0.0	-
73.0	53.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	-	11.4	-
73.0	80.0	-	0.0	-	-	0.0	0.0	-	0.0	-	-	2.8	-
73.0	90.0	-	-	-	-	0.0	0.0	-	0.0	-	-	2.9	-
77.0	48.0	-	0.0	-	0.0	26.9	0.0	-	0.0	-	-	0.0	-
77.0	51.0	-	0.0	-	0.0	0.0	0.0	-	-	-	-	11.8	-
77.0	80.0	-	0.0	-	-	11.3	0.0	-	0.0	-	-	0.0	-
77.0	90.0	-	-	-	-	0.0	0.0	-	0.0	-	-	2.8	-
80.0	52.0	-	14.5	0.0	-	0.0	0.0	-	0.0	-	-	11.0	-
80.0	90.0	-	0.0	0.0	-	6.0	0.0	-	0.0	-	-	0.0	-
81.5	44.0	0.0	-	0.0	-	0.0	0.0	-	7.0	-	0.0	-	-
81.5	45.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	10.9	-	-
83.0	40.6	0.0	-	0.0	-	0.0	0.0	-	0.0	-	2.6	-	-
83.0	42.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	11.2	-	0.0
83.0	43.0	12.6	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	0.0
83.0	44.0	0.0	-	0.0	-	0.0	0.0	-	7.3	-	0.0	-	0.0
83.0	49.0	0.0	-	0.0	-	0.0	8.6	-	0.0	-	0.0	-	0.0
83.0	51.0	23.9	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	-
83.0	80.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	5.7	-	-
83.0	90.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	5.7	-	-
85.0	37.2	-	0.0	0.0	-	0.0	0.0	-	4.1	-	0.0	-	-
85.0	37.5	0.0	-	0.0	-	0.0	0.0	-	14.3	-	2.4	-	-
85.0	38.0	0.0	-	0.0	-	0.0	0.0	-	33.8	-	11.0	-	-
87.0	32.5	-	0.0	0.0	-	0.0	0.0	-	6.8	-	0.0	-	0.0
87.0	35.0	-	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	-	3.4
87.0	40.0	0.0	-	0.0	-	0.0	0.0	-	11.8	-	0.0	-	0.0
87.0	50.0	0.0	-	0.0	-	8.6	10.4	-	0.0	-	0.0	-	0.0
87.0	55.0	14.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	-	0.0
87.0	90.0	0.0	-	3.1	-	0.0	0.0	-	3.1	-	0.0	-	-
88.5	30.4	-	0.0	0.0	-	0.0	0.0	1.5	-	-	0.0	-	0.0
88.5	31.0	-	0.0	4.3	-	0.0	0.0	-	2.3	-	0.0	-	0.0
90.0	27.6	-	0.0	0.0	-	0.0	0.0	0.0	-	-	2.5	-	0.0
90.0	28.0	-	0.0	-	-	0.0	0.0	12.9	-	-	2.7	-	0.0
90.0	29.0	-	0.0	0.0	-	10.5	0.0	0.0	-	-	0.0	-	0.0
90.0	31.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	2.9	-	0.0
90.0	53.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-	12.0	-
90.0	60.0	0.0	-	3.2	-	0.0	0.0	0.0	-	-	-	0.0	-
90.0	70.0	0.0	-	0.0	-	3.7	0.0	0.0	-	-	-	0.0	-
90.0	80.0	0.0	-	0.0	-	3.2	0.0	0.0	-	-	-	0.0	-
91.5	26.8	-	5.3	-	-	-	6.0	0.0	-	-	0.0	-	0.0
91.5	28.0	-	0.0	0.0	-	0.0	0.0	2.8	-	-	0.0	-	0.0
91.5	29.0	-	0.0	0.0	-	13.0	0.0	0.0	-	-	0.0	-	0.0

TABLE 4. (cont.)

Unidentified fish larva (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
93.0	26.9	-	0.0	0.0	-	0.0	18.7	9.4	-	-	0.0	-	0.0
93.0	45.0	0.0	-	0.0	-	20.0	0.0	0.0	-	-	0.0	-	0.0
93.0	60.0	0.0	-	0.0	-	3.0	0.0	0.0	-	-	-	0.0	-
93.0	90.0	0.0	-	0.0	-	-	9.5	0.0	-	-	-	0.0	-
93.0	100.0	2.9	-	9.5	-	-	-	-	-	-	-	-	-
95.0	29.0	-	0.0	0.0	-	0.0	0.0	2.2	-	-	0.0	-	-
95.0	32.0	-	0.0	0.0	-	0.0	0.0	3.0	-	-	0.0	-	-
97.0	29.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	8.0	-	-
97.0	30.0	0.0	-	0.0	-	0.0	0.0	2.2	-	-	0.0	-	-
97.0	31.0	0.0	-	0.0	-	0.0	0.0	11.4	-	-	0.0	-	-
97.0	80.0	0.0	-	2.9	-	0.0	0.0	0.0	-	-	0.0	-	-
97.0	90.0	0.0	-	9.9	-	-	0.0	2.8	-	-	0.0	-	-
100.0	30.0	-	-	11.9	-	0.0	0.0	-	-	-	0.0	-	-
100.0	31.0	-	0.0	12.3	-	0.0	0.0	0.0	-	-	0.0	-	-
100.0	60.0	-	0.0	0.0	-	0.0	5.8	0.0	-	-	0.0	-	-
100.0	70.0	-	0.0	0.0	-	7.4	0.0	0.0	-	-	3.1	-	-
100.0	80.0	-	0.0	3.1	-	0.0	0.0	0.0	-	-	0.0	-	-
100.0	90.0	-	-	-	-	-	-	2.6	-	-	0.0	-	-
103.0	28.8	-	0.0	0.0	-	0.0	27.7	0.0	-	-	0.0	-	-
103.0	29.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	1.6	-	-
103.0	30.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	8.5	-	-
103.0	32.0	-	0.0	11.8	-	11.7	0.0	0.0	-	-	0.0	-	-
103.0	70.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	1.9	-	-
107.0	32.0	-	0.0	0.0	-	-	0.0	-	21.8	-	0.0	-	-
107.0	50.0	-	0.0	0.0	-	-	0.0	-	10.0	-	2.7	-	-
107.0	80.0	-	-	0.0	-	-	5.4	0.0	-	-	0.0	-	-
110.0	32.0	-	-	-	-	-	-	-	1.8	-	-	-	-
110.0	32.4	-	0.0	0.0	-	0.0	-	13.1	-	-	0.0	-	-
110.0	33.0	-	2.7	0.0	-	0.0	-	0.0	2.4	-	0.0	-	-
110.0	35.0	-	0.0	11.4	-	0.0	-	0.0	0.0	-	0.0	-	-
110.0	80.0	-	-	5.8	-	-	-	0.0	0.0	-	2.9	-	-
113.0	28.8	-	0.0	2.0	-	0.0	-	0.0	0.0	-	0.0	-	-
113.0	32.0	-	0.0	0.0	-	6.2	-	0.0	0.0	-	0.0	-	-
113.0	60.0	-	0.0	0.0	-	0.0	-	0.0	10.8	-	0.0	-	-
113.0	70.0	-	-	6.0	-	0.0	-	0.0	2.5	-	0.0	-	-
113.0	80.0	-	-	5.8	-	-	-	0.0	0.0	-	0.0	-	-
117.0	50.0	-	0.0	0.0	-	-	-	0.0	2.6	-	0.0	-	-
117.0	80.0	-	-	0.0	-	-	-	0.0	16.7	-	0.0	-	-
119.0	33.0	-	0.0	0.0	-	12.4	-	11.8	0.0	-	0.0	-	-
120.0	22.4	-	0.0	0.0	-	0.0	-	1.8	0.0	-	0.0	-	-
120.0	22.7	-	0.0	0.0	-	0.0	-	3.9	0.0	-	0.0	-	-
120.0	23.0	-	0.0	0.0	-	0.0	-	12.9	10.7	-	0.0	-	-
120.0	24.0	-	0.0	0.0	-	0.0	-	5.2	0.0	-	5.1	-	-
120.0	25.0	-	0.0	0.0	-	24.2	-	8.0	0.0	-	0.0	-	-
120.0	26.0	-	0.0	5.0	-	0.0	-	0.0	0.0	-	0.0	-	-
120.0	30.0	-	2.9	0.0	-	0.0	-	0.0	0.0	-	5.0	-	-

TABLE 4. (cont.)

Unidentified fish larva (cont.)

STATION		NOV.	DEC.	JAN.	FEB.	MAR.	MAY	JUNE	JULY	SEP.	OCT.	NOV.	DEC.
120.0	35.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	4.1	-	-
120.0	40.0	-	0.0	0.0	-	0.0	-	0.0	7.5	-	5.8	-	-
120.0	45.0	-	0.0	2.9	-	0.0	-	0.0	0.0	-	25.9	-	-
120.0	50.0	-	0.0	5.7	-	13.0	-	0.0	10.4	-	9.9	-	-
120.0	60.0	-	0.0	0.0	-	0.0	-	12.4	0.0	-	0.0	-	-
120.0	70.0	-	-	2.9	-	0.0	-	0.0	0.0	-	6.0	-	-
120.0	80.0	-	-	5.5	-	-	-	3.1	2.6	-	0.0	-	-
123.0	35.7	-	0.0	-	1.8	0.0	-	-	0.0	-	2.1	-	-
123.0	36.0	-	2.5	-	0.0	0.0	-	-	1.7	-	0.0	-	-
123.0	37.0	-	0.0	-	0.0	0.0	-	-	4.1	-	0.0	-	-
123.0	39.0	-	0.0	-	0.0	37.8	-	-	0.0	-	0.0	-	-
123.0	42.0	-	0.0	-	0.0	95.2	-	-	0.0	-	0.0	-	-
123.0	45.0	-	0.0	0.0	-	12.2	-	-	0.0	-	0.0	-	-
123.0	50.0	-	0.0	0.0	-	14.8	-	-	0.0	-	0.0	-	-
123.0	60.0	-	0.0	0.0	-	13.8	-	-	11.4	-	3.1	-	-
127.0	32.6	-	2.3	-	6.0	-	-	-	0.0	-	16.9	-	-
127.0	33.0	-	2.7	-	0.0	-	-	-	0.0	-	0.0	-	-
127.0	34.0	-	0.0	-	5.2	-	-	-	2.6	-	0.0	-	-
127.0	35.0	-	0.0	-	0.0	-	-	-	2.3	-	0.0	-	-
127.0	36.0	-	0.0	-	0.0	-	-	-	11.4	-	0.0	-	-
127.0	40.0	-	0.0	-	35.2	-	-	-	0.0	-	0.0	-	-
127.0	45.0	-	0.0	-	11.8	-	-	-	0.0	-	0.0	-	-
127.0	50.0	-	0.0	-	0.0	-	-	-	12.8	-	0.0	-	-
130.0	25.6	-	2.3	-	2.5	1.7	-	-	0.0	-	0.0	-	-
130.0	26.0	-	0.0	-	0.0	0.0	-	-	0.0	-	2.2	-	-
130.0	27.0	-	0.0	-	0.0	0.0	-	-	0.0	-	2.1	-	-
130.0	28.0	-	0.0	-	0.0	0.0	-	-	0.0	-	6.4	-	-
130.0	29.0	-	0.0	-	0.0	12.0	-	-	0.0	-	2.2	-	-
130.0	35.0	-	0.0	-	0.0	27.9	-	-	0.0	-	11.8	-	-
130.0	50.0	-	0.0	-	11.9	0.0	-	-	0.0	-	0.0	-	-
130.0	60.0	-	0.0	-	0.0	20.4	-	-	5.6	-	0.0	-	-
133.0	20.6	-	0.0	-	0.0	-	-	-	29.8	-	61.9	-	-
133.0	21.0	-	0.0	-	0.0	-	-	-	73.1	-	18.5	-	-
133.0	22.0	-	2.5	-	0.0	-	-	-	14.2	-	1.9	-	-
133.0	23.0	-	0.0	-	0.0	-	-	-	19.8	-	0.0	-	-
133.0	24.0	-	0.0	-	0.0	-	-	-	32.8	-	0.0	-	-
133.0	25.0	-	0.0	-	0.0	-	-	-	53.6	-	0.0	-	-
133.0	30.0	-	0.0	-	2.8	-	-	-	0.0	-	0.0	-	-
133.0	40.0	-	0.0	-	56.2	-	-	-	2.7	-	0.0	-	-
133.0	60.0	-	0.0	-	2.7	-	-	-	0.0	-	0.0	-	-
137.0	20.7	-	2.0	-	2.3	-	-	-	5.8	-	60.5	-	-
137.0	22.0	-	8.2	-	5.1	-	-	-	10.8	-	4.1	-	-
137.0	23.0	-	11.4	-	2.5	-	-	-	2.3	-	2.6	-	-
137.0	24.0	-	5.6	-	0.0	-	-	-	0.0	-	0.0	-	-
137.0	35.0	-	6.0	-	0.0	-	-	-	0.0	-	0.0	-	-
137.0	50.0	-	5.6	-	0.0	-	-	-	0.0	-	0.0	-	-
137.0	60.0	-	0.0	-	2.9	-	-	-	11.1	-	0.0	-	-

TABLE 5. Summary of pooled occurrences of all larval fish taxa taken on CalCOFI surveys from 1972 to 1981. Data for 1974, 1977, and 1980 represent single cruises that are part of surveys in 1975, 1978, and 1981, respectively. Taxa are listed in the same order as Table 4.

NAME	1972	1974	1975	1977	1978	1980	1981
Albula vulpes	1	-	-	-	-	-	-
Anguilliformes	26	2	8	-	3	-	-
Etrumeus acuminatus	4	-	15	-	9	-	-
Opisthonema spp.	-	-	1	-	1	-	-
Sardinops sagax	27	11	51	8	46	13	28
Engraulis mordax	548	155	842	47	454	47	417
Argentina sialis	54	6	59	7	30	13	45
Microstoma microstoma	33	8	40	3	45	6	31
Nansenia candida	44	-	26	-	25	-	18
Nansenia crassa	39	8	17	1	19	3	13
Bathylagus spp.	121	1	41	3	47	1	49
Bathylagus longirostris	1	-	-	-	5	-	-
Bathylagus milleri	13	5	13	-	8	4	2
Bathylagus ochotensis	345	13	273	29	387	13	244
Bathylagus pacificus	99	1	39	-	45	1	38
Bathylagus wesethi	164	15	156	20	298	11	127
Leuroglossus stilbius	387	52	363	28	218	22	298
Bathylychnops exilis	1	-	-	-	-	-	-
Dolichopteryx longipes	1	-	-	-	-	-	-
Macropinna microstoma	-	1	1	-	-	-	-
Osmeridae	5	-	-	-	1	-	-
Stomiiformes	8	1	1	-	5	-	3
Gonostomatidae	7	10	12	1	23	7	23
Cyclothone spp.	130	30	165	20	325	38	162
Danaphos oculatus	51	6	49	2	73	3	17
Diplophos taenia	47	-	1	-	2	-	-
Gonostoma spp.	-	-	-	-	2	-	1
Ichthyococcus spp.	7	1	8	2	40	4	18
Valenciennellus stellatus	8	-	1	-	3	1	1
Vinciguerria lucetia	271	48	164	40	379	65	222
Vinciguerria poweriae	1	-	-	-	30	-	-
Sternoptychidae	217	63	218	40	371	33	150
Chauliodus macouni	123	10	78	11	126	12	55
Idiacanthus antrostomus	25	18	30	8	67	3	9
Aristostomias scintillans	5	-	2	-	22	-	8
Bathophilus spp.	11	-	-	-	16	-	-
Eustomias spp.	1	-	-	-	1	-	-
Photonectes spp.	-	-	1	-	6	-	2
Tactostoma macropus	5	-	-	-	7	-	5
Stomias atriventer	117	9	59	6	110	11	77
Myctophiformes	2	-	-	-	-	-	-
Evermannellidae	1	-	-	-	-	-	1
Paralepididae	32	5	17	-	16	-	9
Lestidiops ringens	82	16	39	11	63	11	58
Notolepis risso	10	-	5	1	17	-	5
Stemonosudis macrura	2	-	-	-	1	-	-
Sudis atrox	-	-	-	-	5	-	-

TABLE 5. (cont.)

NAME	1972	1974	1975	1977	1978	1980	1981
Aulopus spp.	6	-	-	-	1	1	-
Scopelosaurus spp.	11	1	10	-	23	1	9
Scopelarchidae	-	-	2	-	3	-	2
Benthalbella spp.	-	-	-	-	3	-	-
Benthalbella dentata	6	-	3	-	11	-	4
Rosenblattichthys volucris	15	7	23	2	21	2	7
Scopelarchoides nicholsi	16	-	2	-	1	-	-
Scopelarchus spp.	24	-	19	3	32	3	11
Myctophidae	123	12	80	6	154	17	159
Bolinichthys spp.	11	-	-	-	2	-	-
Ceratoscopelus townsendi	68	5	66	5	212	18	80
Diaphus spp.	107	-	70	-	141	2	25
Lampadena urophaos	14	2	5	-	19	1	5
Lampanyctus spp.	281	35	151	16	269	32	168
Lampanyctus regalis	25	1	29	-	63	-	14
Lampanyctus ritteri	187	11	149	8	147	16	81
Notolychnus valdiviae	7	-	13	-	31	-	2
Notoscopelus resplendens	9	-	6	-	58	-	8
Parvilux ingens	-	-	-	-	2	-	-
Stenobrachius leucopsarus	356	29	351	11	300	18	264
Taaningichthys minimus	-	-	-	-	1	-	-
Triphoturus mexicanus	218	38	342	7	330	13	237
Triphoturus nigrescens	-	-	-	-	2	-	-
Benthosema pterota	6	-	3	-	-	-	-
Centrobranchus spp.	-	-	-	-	6	-	-
Diogenichthys spp.	-	6	15	3	24	2	18
Diogenichthys atlanticus	68	22	141	14	191	19	60
Diogenichthys laternatus	201	29	114	22	168	34	56
Electrona rissoi	15	-	7	-	20	-	6
Gonichthys tenuiculus	49	9	14	1	44	5	8
Hygophum spp.	2	-	-	-	5	-	7
Hygophum atratum	120	6	16	1	47	-	10
Hygophum reinhardtii	12	-	9	1	29	2	2
Loweina rara	2	-	3	1	9	-	3
Myctophum aurolaternatum	21	-	-	-	-	-	-
Myctophum nitidulum	13	6	22	5	65	4	13
Protomyctophum crockeri	388	62	299	39	361	87	344
Protomyctophum thompsoni	14	-	-	-	-	-	-
Symbolophorus californiensis	100	14	120	6	179	11	91
Tarletonbeania crenularis	377	26	215	-	76	17	72
Synodus spp.	11	7	41	7	14	12	7
Bregmaceros spp.	37	-	-	-	-	-	-
Gadidae	1	-	-	-	-	-	-
Gadus macrocephalus	-	-	-	-	-	-	1
Microgadus proximus	4	-	-	-	-	-	-
Merluccius productus	305	16	279	14	222	21	177
Moridae	14	-	-	-	1	-	-
Physiculus spp.	1	-	-	-	-	-	1
Macrouridae	18	-	3	-	6	-	4

TABLE 5. (cont.)

NAME	1972	1974	1975	1977	1978	1980	1981
Ophidiiformes	9	-	15	-	18	-	19
Brosmophycis marginata	7	-	5	-	11	-	5
Carapidae	2	-	-	-	-	-	-
Chilara taylori	3	-	17	-	4	-	-
Ophidion scrippsae	7	6	18	-	6	-	1
Porichthys spp.	-	-	-	-	1	-	-
Antennariidae	1	-	-	-	-	-	-
Ceratioidei	6	1	11	-	4	1	-
Lophiidae	1	-	-	-	-	-	-
Gobiesocidae	2	-	10	-	3	-	-
Exocoetidae	-	-	1	-	1	-	3
Hemiramphidae	-	-	-	-	-	-	1
Oxyporhamphus micropterus	1	-	-	-	-	-	-
Cololabis saira	31	1	7	-	10	3	7
Atherinidae	3	3	7	-	13	1	3
Trachipteridae	56	7	18	2	10	1	5
Eutaeniophoridae	2	-	-	-	2	-	-
Melamphaes spp.	219	9	130	9	181	9	79
Poromitra spp.	15	-	18	2	42	2	21
Scopeloberyx robustus	-	-	-	-	5	-	-
Scopelogadus bispinosus	21	4	5	3	19	-	4
Macroramphosus gracilis	1	3	-	-	3	2	4
Syngnathus spp.	2	3	8	-	6	-	4
Agonidae	17	1	11	-	1	2	7
Anoplopoma fimbria	1	-	1	-	-	-	-
Cottidae	28	5	44	2	17	2	23
Scorpaenichthys marmoratus	13	3	15	-	6	3	-
Cyclopteridae	14	1	13	-	3	-	7
Hexagrammidae	16	-	1	-	2	1	-
Ophiodon elongatus	-	-	1	-	-	-	1
Oxylebius pictus	3	-	4	-	-	-	6
Zaniolepis spp.	6	2	23	4	11	3	5
Scorpaenidae	2	-	-	-	-	-	-
Scorpaena spp.	3	-	11	-	8	-	6
Sebastes spp.	509	94	560	30	429	52	379
Sebastes aurora	18	-	13	2	29	2	20
Sebastes jordani	90	1	42	-	47	1	22
Sebastes levis	13	-	17	-	8	-	5
Sebastes macdonaldi	15	-	21	-	17	-	8
Sebastes paucispinis	140	10	73	11	48	7	48
Sebastolobus spp.	65	1	23	-	32	1	19
Prionotus spp.	6	-	12	-	7	-	3
Blennioidei	9	1	4	-	-	-	8
Bathymasteridae	1	-	-	-	-	-	-
Hypsoblennius spp.	16	6	82	-	50	2	19
Clinidae	30	9	67	2	23	3	17
Gobiidae	88	26	121	10	73	6	38
Microdesmidae	1	-	-	-	-	-	-
Icosteus aenigmaticus	12	-	1	-	2	-	3
Labridae	10	-	-	-	-	-	-

TABLE 5. (cont.)

NAME	1972	1974	1975	1977	1978	1980	1981
Halichoeres spp.	9	-	26	-	21	-	7
Oxyjulis californica	21	-	23	1	56	1	33
Semicossyphus pulcher	-	-	8	-	4	-	3
Pomacentridae	2	-	-	-	-	-	-
Chromis punctipinnis	2	-	22	1	14	-	16
Hypsypops rubicundus	-	-	3	-	-	-	1
Mugil spp.	2	-	-	-	1	-	-
Howella brodiei	2	-	1	-	9	-	-
Brama spp.	7	-	3	-	7	-	-
Carangidae	4	-	10	-	8	-	1
Seriola lalandi	1	-	5	-	7	-	1
Trachurus symmetricus	116	-	119	1	137	1	87
Caristius macropus	-	-	-	-	2	-	-
Coryphaena hippurus	6	1	4	-	2	-	3
Gerreidae	1	-	5	-	3	-	3
Haemulidae	1	-	8	-	12	-	2
Girella nigricans	-	-	1	1	3	-	2
Medialuna californiensis	2	-	3	-	1	-	-
Caulolatilus princeps	1	-	2	-	2	-	2
Sciaenidae	63	58	260	16	111	-	7
Cheilotrema saturnum	-	-	-	-	-	-	2
Genyonemus lineatus	-	-	-	-	-	15	64
Roncador stearnsii	-	-	-	-	-	-	1
Seriphus politus	-	-	-	-	-	-	26
Serranidae	21	-	55	1	32	1	26
Polynemidae	-	-	1	-	-	-	-
Gempylidae	15	-	-	-	12	-	1
Scombridae	-	-	1	-	1	-	-
Auxis spp.	4	-	-	-	2	-	-
Euthynnus spp.	-	-	-	-	1	-	-
Sarda chiliensis	4	-	3	-	-	-	1
Scomber japonicus	3		8		61		86
Thunnus albacares	2	-	-	-	-	-	-
Lepidopus xantusi	7	1	10	1	11	-	8
Sphyraena argentea	-	-	9	-	5	-	14
Icichthys lockingtoni	140	6	46	2	73	-	22
Cubiceps caeruleus	-	-	-	-	1	-	-
Cubiceps pauciradiatus	12	-	-	-	-	-	-
Psenes pellucidus	5	-	-	-	6	-	-
Psenes sio	5	-	-	-	-	-	-
Peprilus simillimus	11	6	54	3	65	-	31
Tetragonurus cuvieri	13	8	15	2	24	6	8
Chiasmodontidae	15	5	11	4	38	2	20
Uranoscopidae	1	-	-	-	-	-	-
Pleuronectiformes	8	-	-	-	2	-	-
Bothidae	1	-	-	-	-	-	-
Bothus spp.	8	-	-	-	-	-	-
Citharichthys spp.	227	96	357	27	297	60	153
Citharichthys stigmaeus	92	33	133	20	131	24	63
Cyclopsetta spp.	1	-	-	-	-	-	-

TABLE 5. (cont.)

NAME	1972	1974	1975	1977	1978	1980	1981
Hippoglossina spp.	-	-	-	-	1	-	-
Hippoglossina stomata	17	8	36	1	21	-	6
Paralichthys californicus	37	25	106	4	47	2	58
Syacium ovale	5	-	-	-	-	-	-
Xystreurys liolepis	5	4	12	1	5	-	3
Glyptocephalus zachirus	15	-	4	-	22	-	24
Hypsopsetta guttulata	1	5	8	2	7	1	2
Isopsetta isolepis	3	-	-	-	1	-	-
Lepidopsetta bilineata	3	-	3	-	1	-	-
Lyopsetta exilis	54	-	20	-	41	2	57
Microstomus pacificus	17	1	9	-	28	-	14
Parophrys vetulus	53	6	50	1	20	-	38
Platichthys stellatus	6	-	1	-	7	-	2
Pleuronichthys spp.	-	1	1	-	-	-	1
Pleuronichthys coenosus	3	-	3	-	6	-	2
Pleuronichthys decurrens	8	1	3	-	1	-	1
Pleuronichthys ritteri	8	2	33	1	6	4	11
Pleuronichthys verticalis	21	1	100	2	22	2	24
Psettichthys melanostictus	8	-	2	-	7	-	1
Symphurus spp.	20	8	26	1	16	-	8
Disintegrated fish larva	258	27	196	8	224	22	147
Unidentified fish larva	222	21	183	12	162	15	109

TABLE 6. List of stations which were occupied twice in one month during 1975.

Station		Month	
93.0	60.0	11	(1974)
63.0	50.0	2	
63.0	52.0	2	
63.0	55.0	2	
63.0	60.0	2	
66.0	49.0	2	
67.0	50.0	2	
67.0	55.0	2	
67.0	60.0	2	
67.0	65.0	2	
67.0	70.0	2	
70.0	51.0	2	
70.0	53.0	2	
70.0	60.0	2	
70.0	65.0	2	
70.0	70.0	2	
73.0	50.0	2	

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This index lists taxa included in Table 4 with their page numbers.

*U.S. GPO 1988/584-471/84010/7-21-88/175

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